

Fig. 1

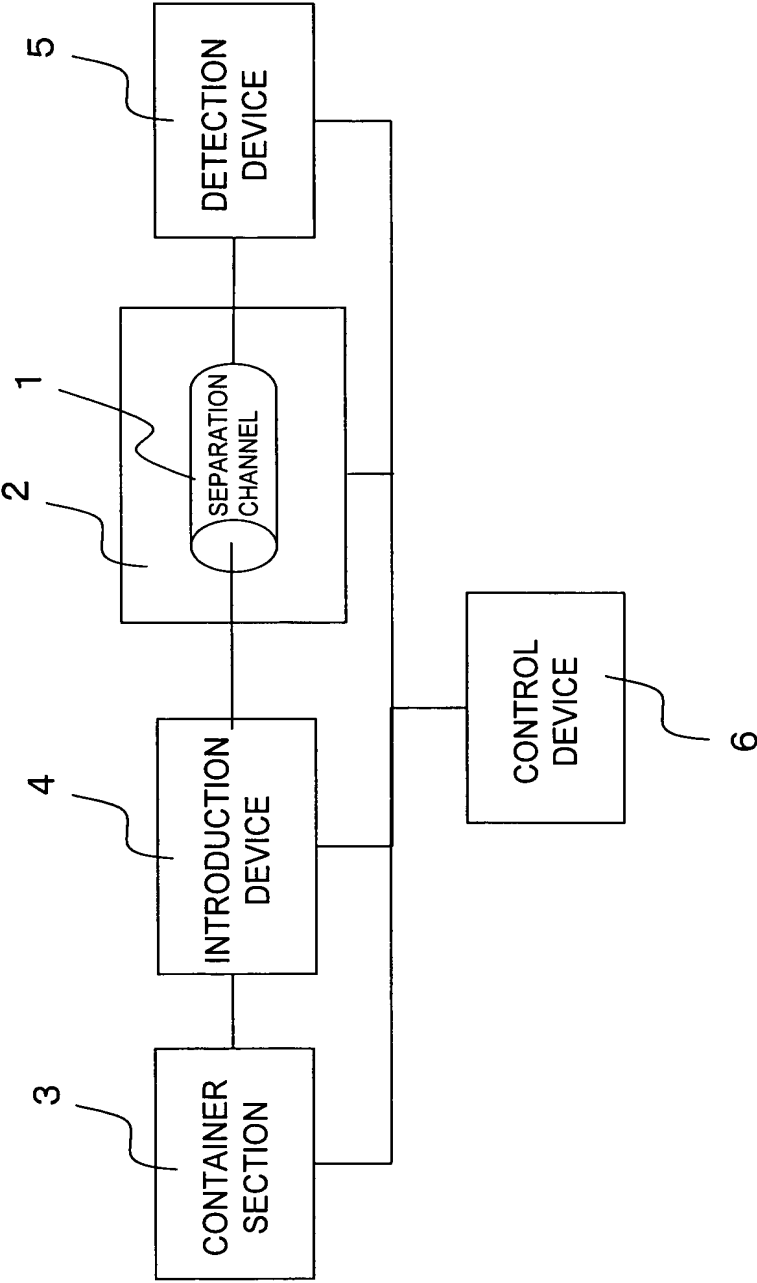


Fig. 2-1

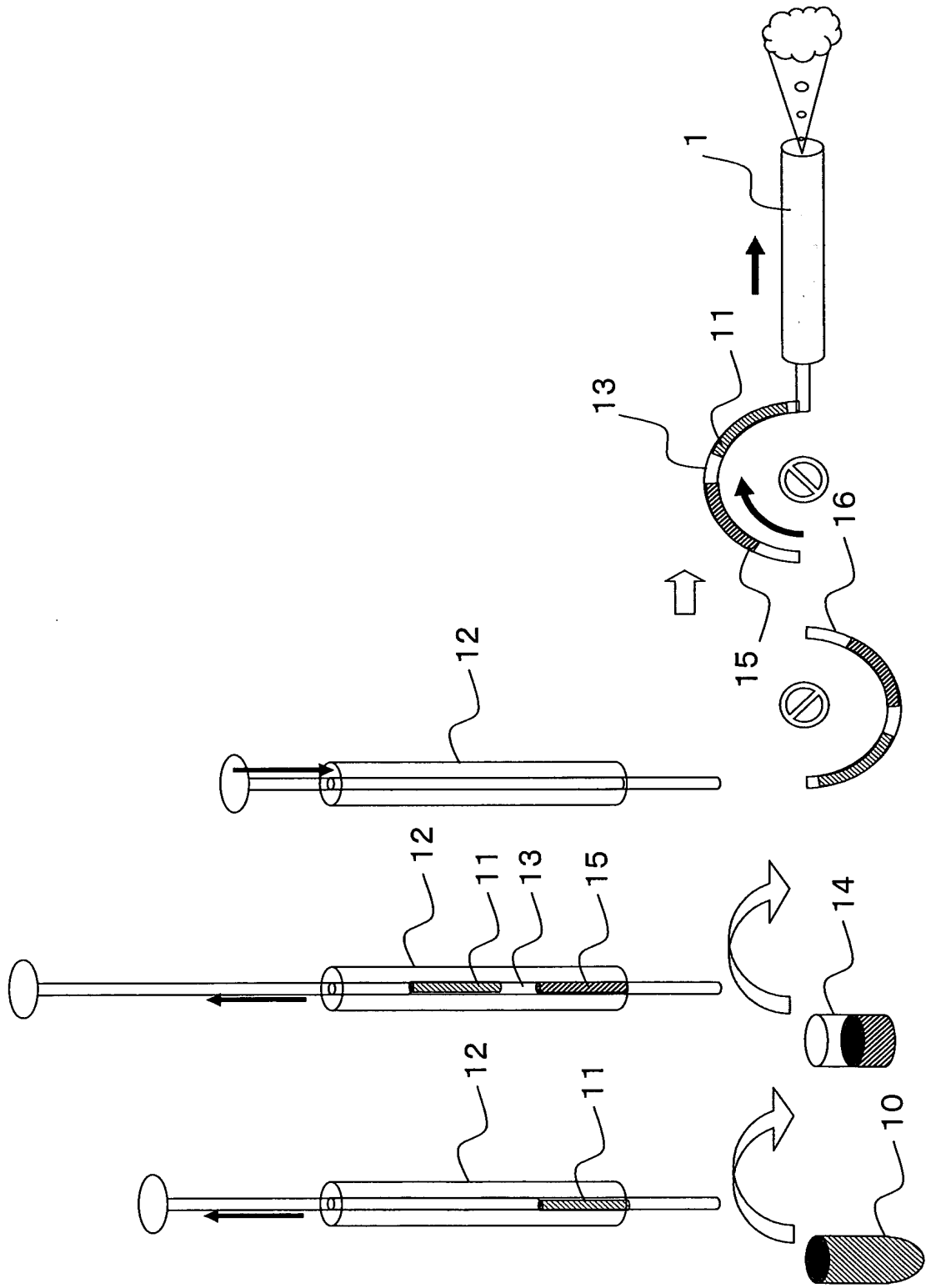


Fig. 2-2

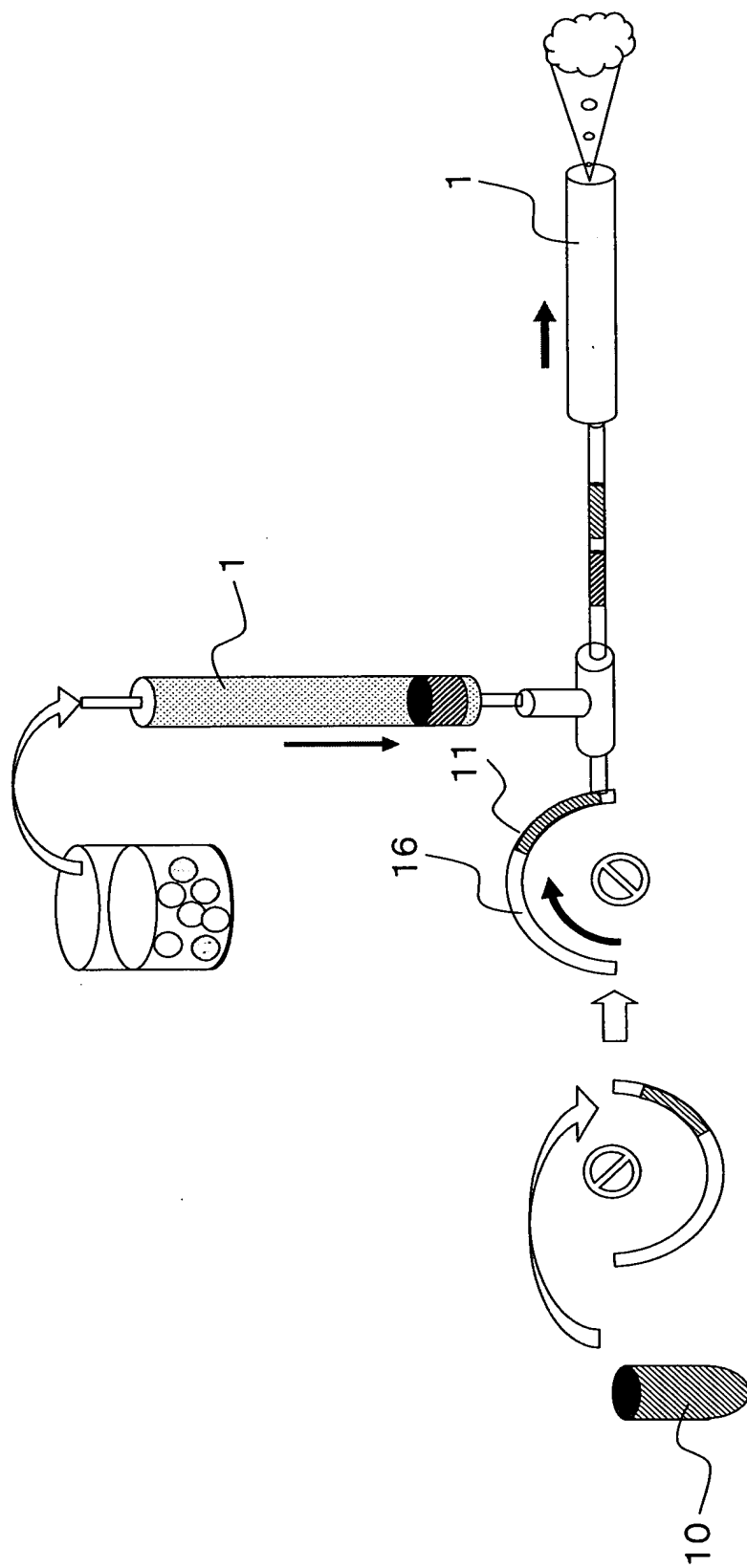
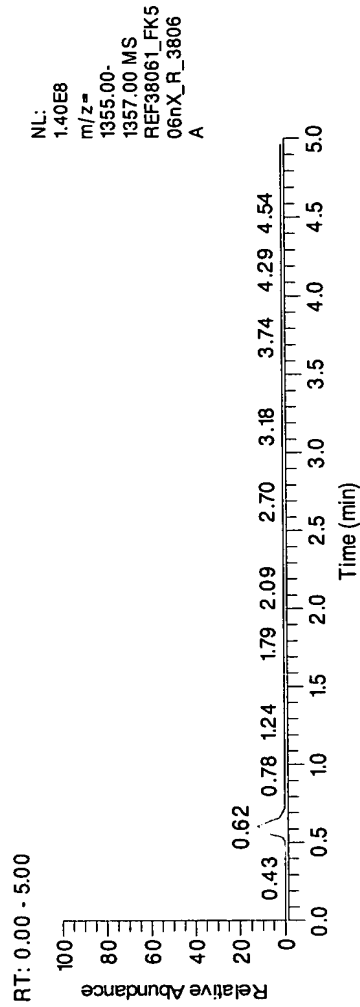
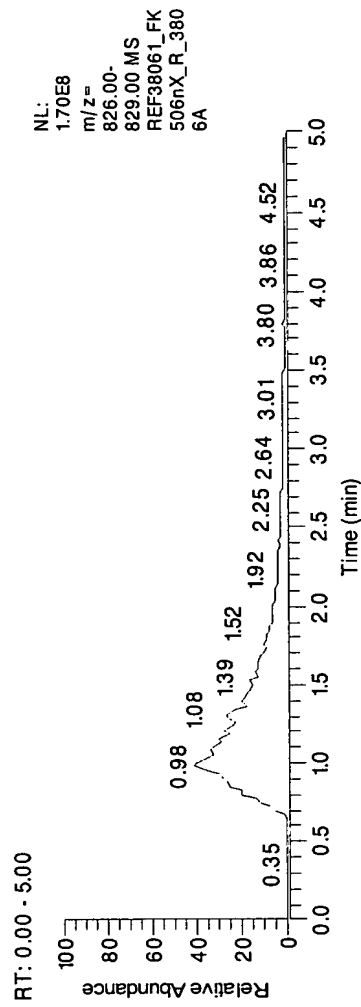


Fig. 3-1

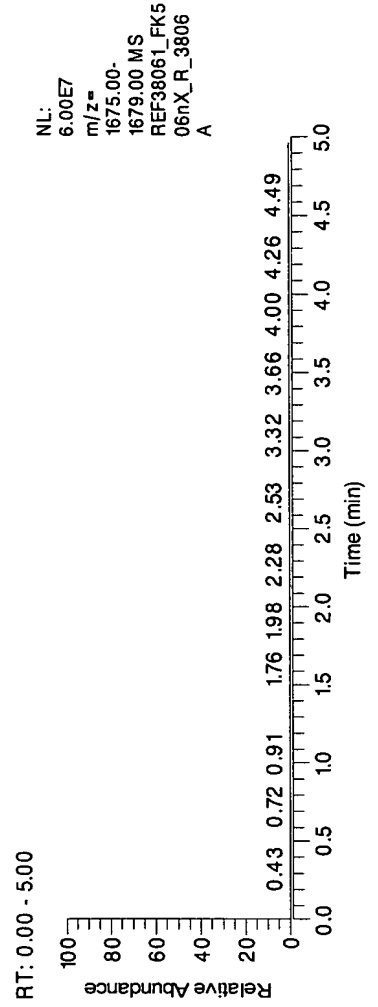
SECOND SOLUTION (C) 1 μ L + FIRST SOLUTION (A) 1 μ L
REF38061_FK506nX_R_3806A 2003/08/06 02:25:52



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0



MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0



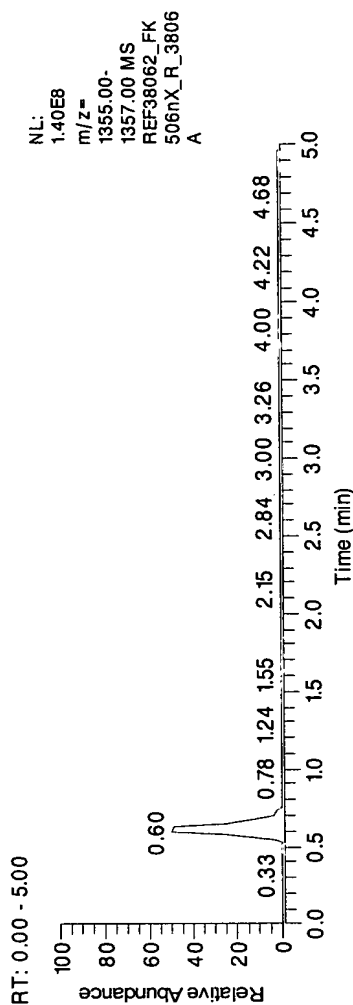
MASS CHROMATOGRAM
OF FKBP12
m/z=1675.0-1679.0

Fig. 3-2

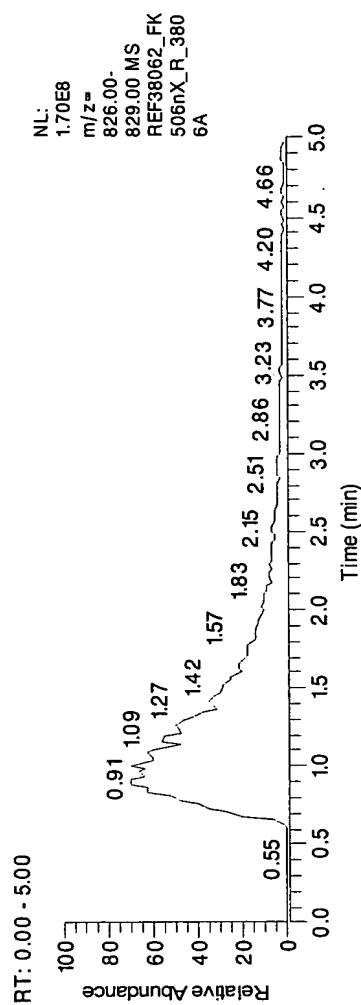
SECOND SOLUTION (C) 2 μ L + FIRST SOLUTION (A) 1 μ L

REF38062_FK506nX_R_3806A

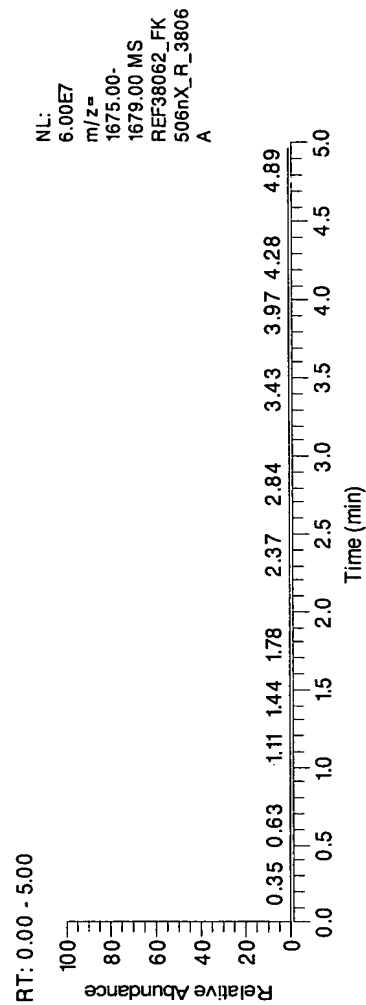
2003/08/06 02:48:46



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0



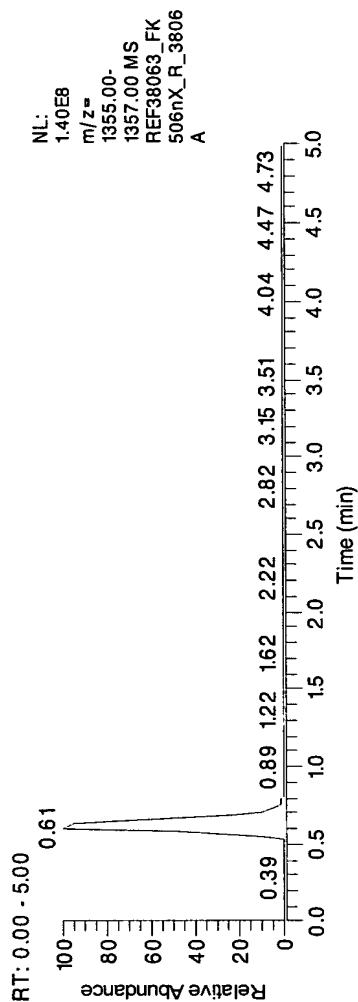
MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0



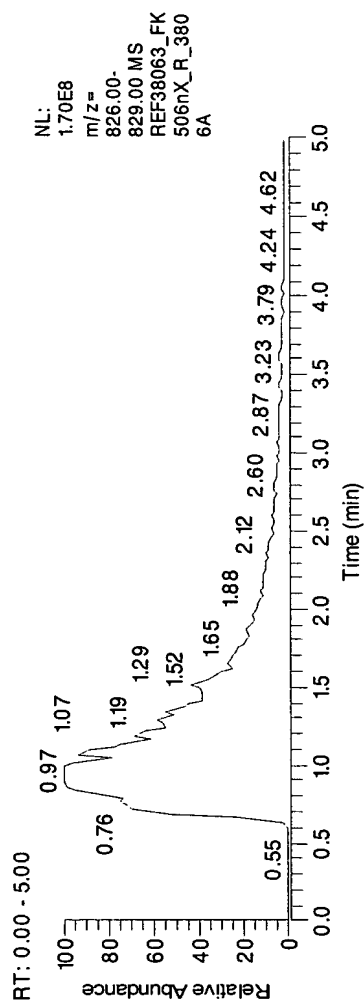
MASS CHROMATOGRAM
OF FKBP12
m/z=1675.0-1679.0

Fig. 3-3

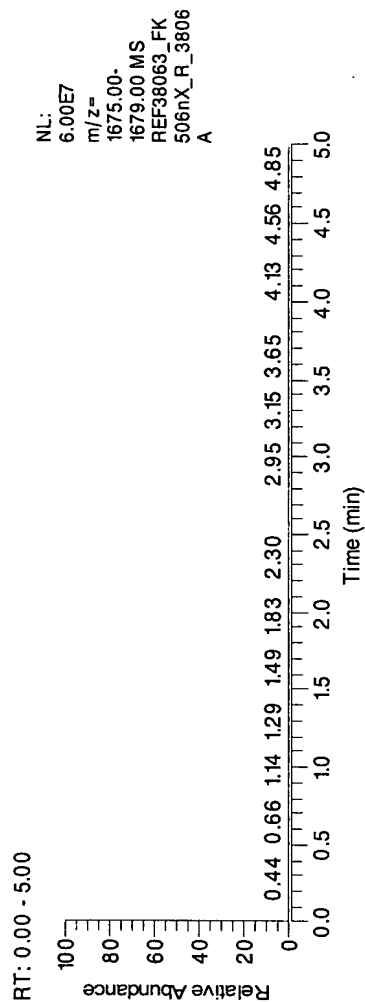
SECOND SOLUTION (C) 3 μ L + FIRST SOLUTION (A) 1 μ L
REF38063_FK506nX_R_3806A 2003/08/06 03:11:42



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0



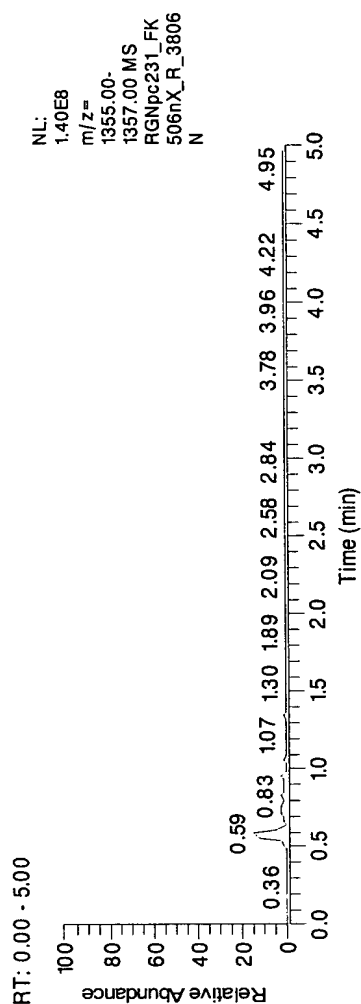
MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0



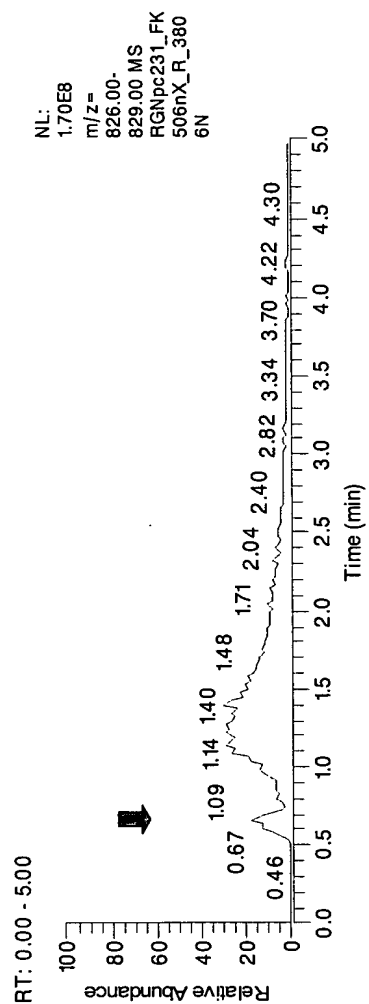
MASS CHROMATOGRAM
OF FKBP12
m/z=1675.0-1679.0

Fig. 3-4

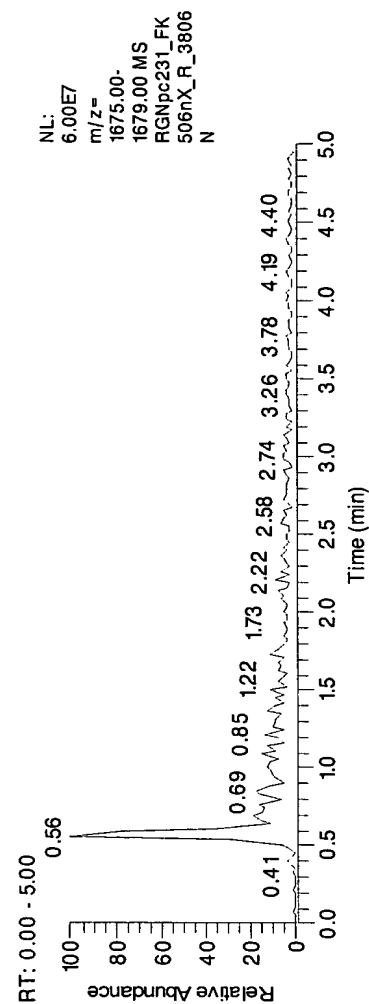
SECOND SOLUTION (C) 1 μ L + FIRST SOLUTION (A) 1 μ L
 RGNpc231_FK506nX_R_3806N 2003/08/06 03:57:31



MASS CHROMATOGRAM
 OF CYANOCOBALAMIN
 (NEGATIVE CONTROL)
 m/z=1355.0-1357.0



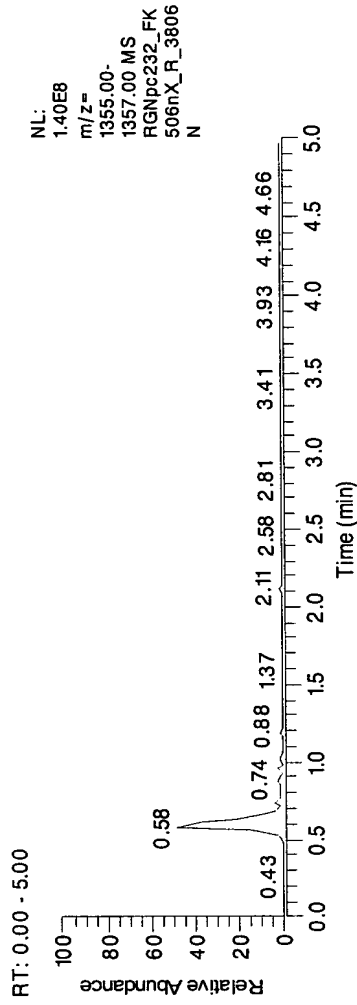
MASS CHROMATOGRAM
 OF FK506
 m/z=826.0-829.0



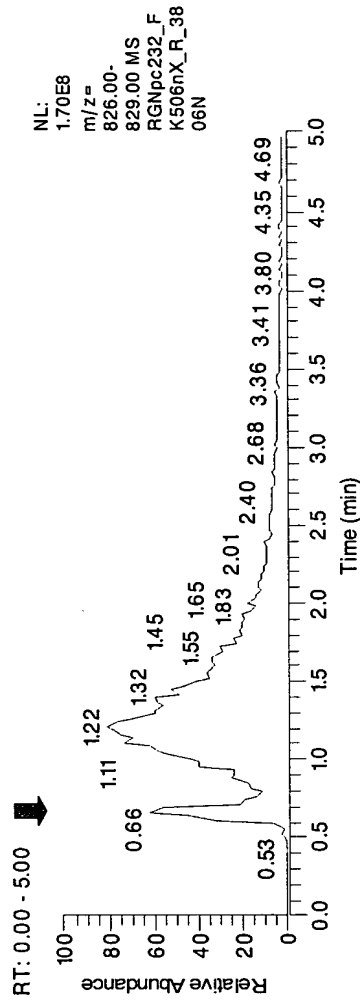
MASS CHROMATOGRAM
 OF FKBP12
 m/z=1675.0-1679.0

Fig. 3-5

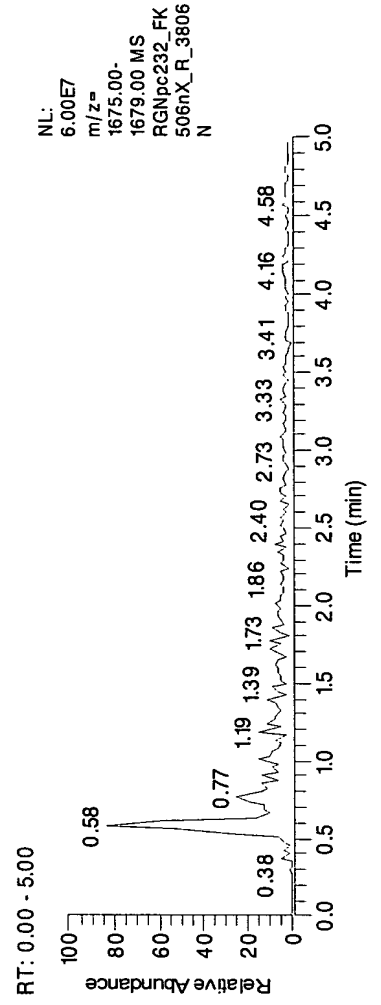
SECOND SOLUTION (C) 2 μ L + FIRST SOLUTION (A) 1 μ L
 RGNpc232_FK506nX_R_3806N 2003/08/06 04:08:59



MASS CHROMATOGRAM
 OF CYANOCOBALAMIN
 (NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



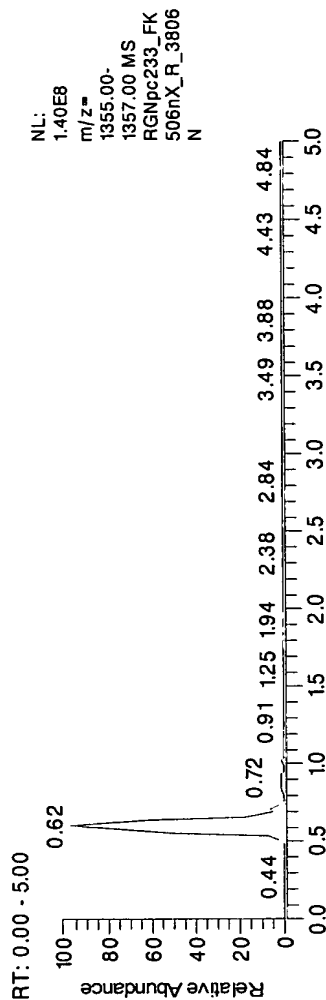
MASS CHROMATOGRAM
 OF FK506
 $m/z=826.0-829.0$



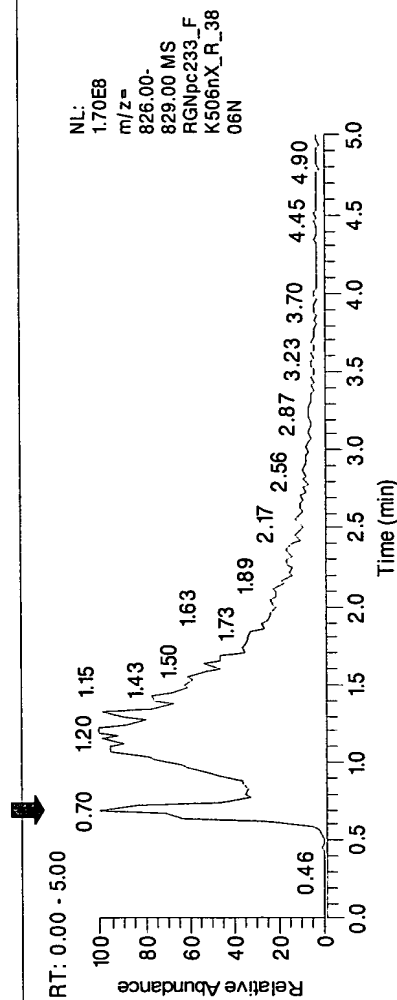
MASS CHROMATOGRAM
 OF FKBP12
 $m/z=1675.0-1679.0$

Fig. 3-6

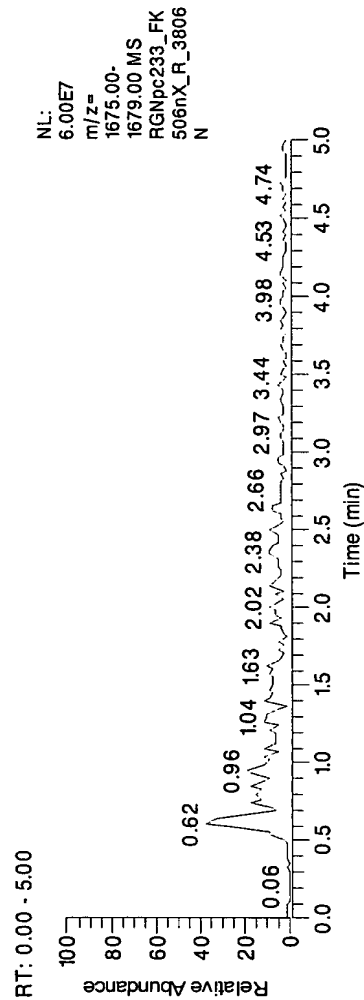
SECOND SOLUTION (C) 3 μ L + FIRST SOLUTION (A) 1 μ L
RGNpc233_FK506nX_R_3806N 2003/08/06 04:20:27



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0



MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0



MASS CHROMATOGRAM
OF FKBP12
m/z=1675.0-1679.0

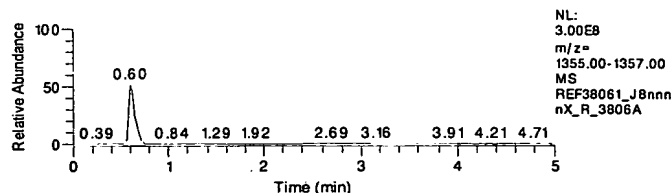
Fig. 4-1

SECOND SOLUTION (B) 1 μ L + FIRST SOLUTION (A) 1 μ L

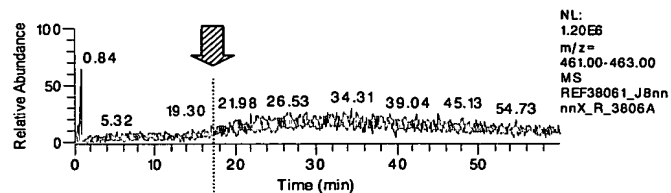
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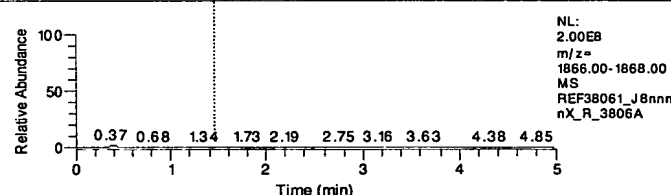
MASS
CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

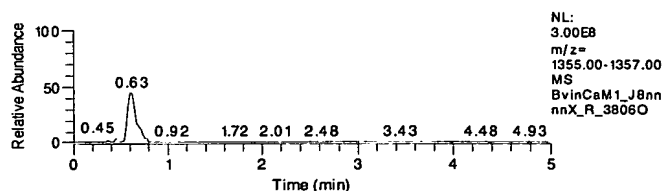


SECOND SOLUTION (B) 1 μ L + FIRST SOLUTION (B) 1 μ L

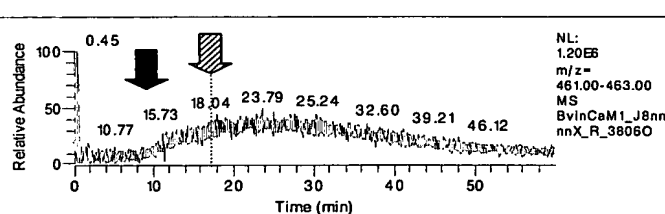
BvinCaM1_J8nnnnX_R_3806O

2003/08/06 09:11:02

MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

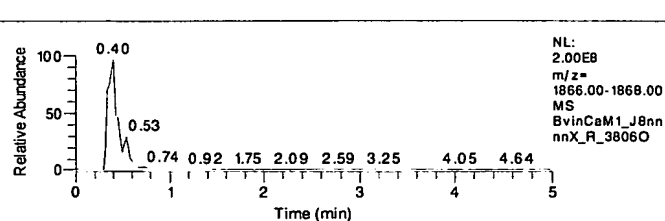


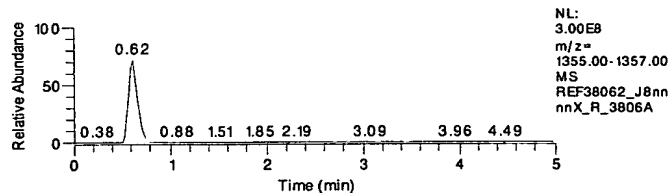
Fig. 4-2

SECOND SOLUTION (B) 2 μ L + FIRST SOLUTION (A) 1 μ L

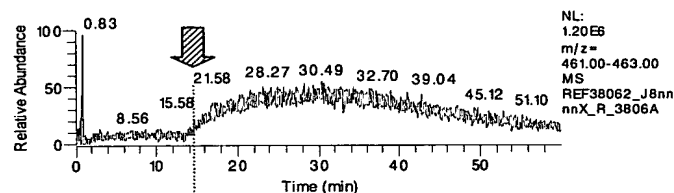
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2003/08/06 10:12:26

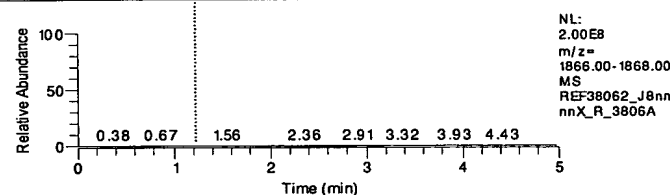
MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

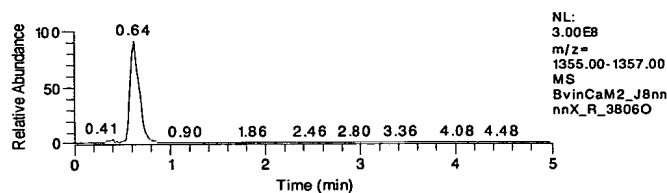


SECOND SOLUTION (B) 2 μ L + FIRST SOLUTION (B) 1 μ L

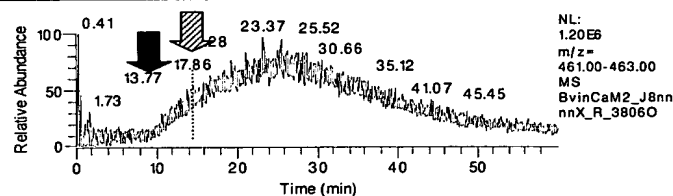
BvinCaM2_J8nnnnX_R_3806O

2003/08/06 11:13:52

MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

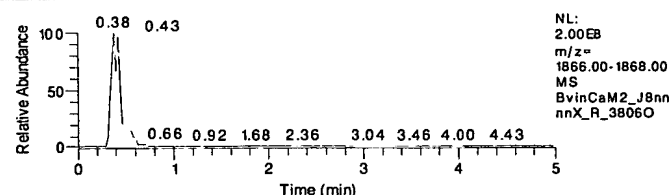
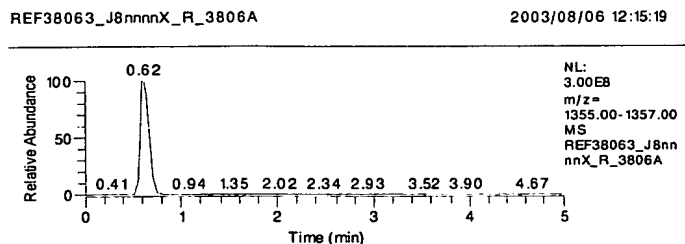


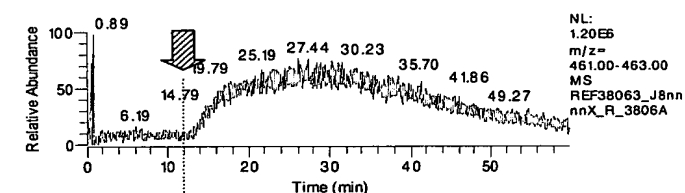
Fig. 4-3

SECOND SOLUTION (B) 3 μ L + FIRST SOLUTION (A) 1 μ L

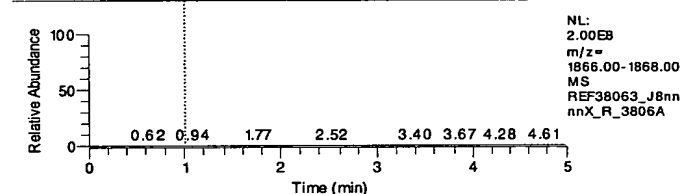
MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$

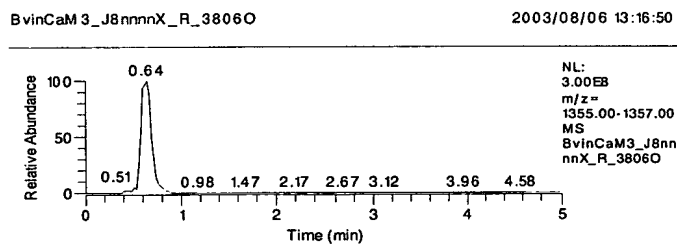


MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

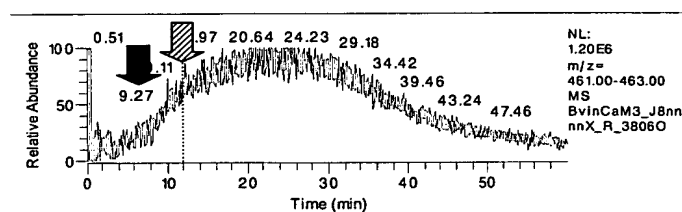


SECOND SOLUTION (B) 3 μ L + FIRST SOLUTION (B) 1 μ L

MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

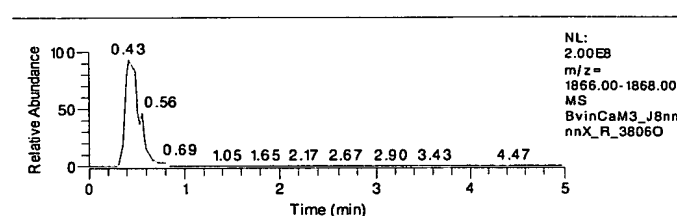
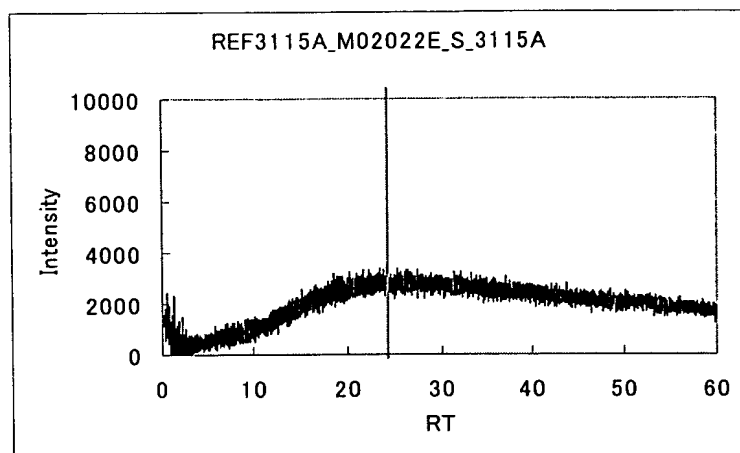


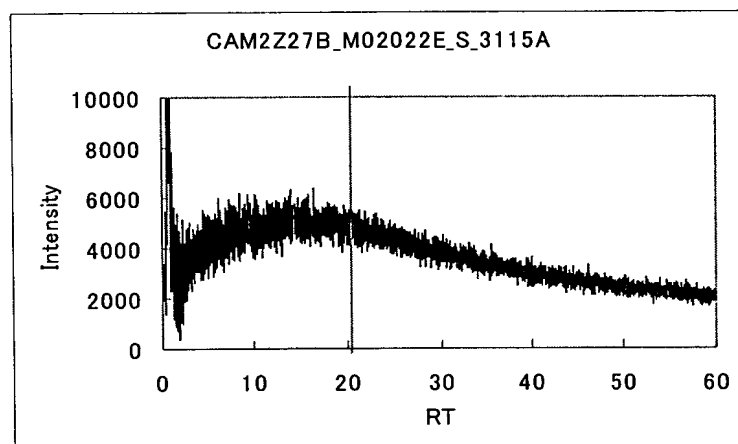
Fig. 5-1

Multi02-022E

FIRST
SOLUTION
(a)



FIRST
SOLUTION
(b)



FIRST
SOLUTION
(c)

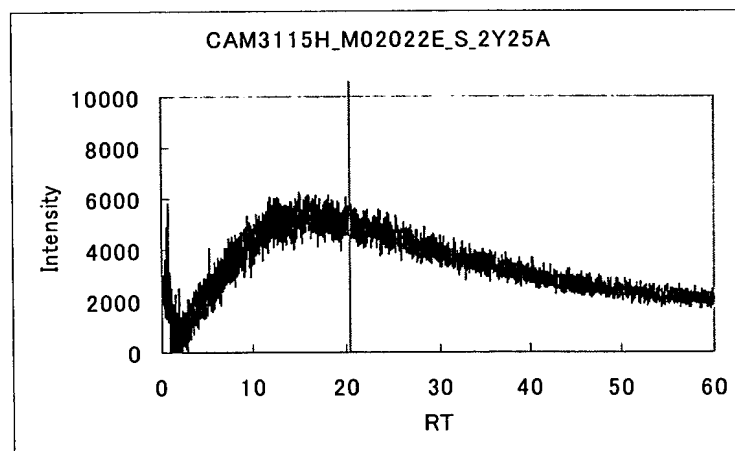
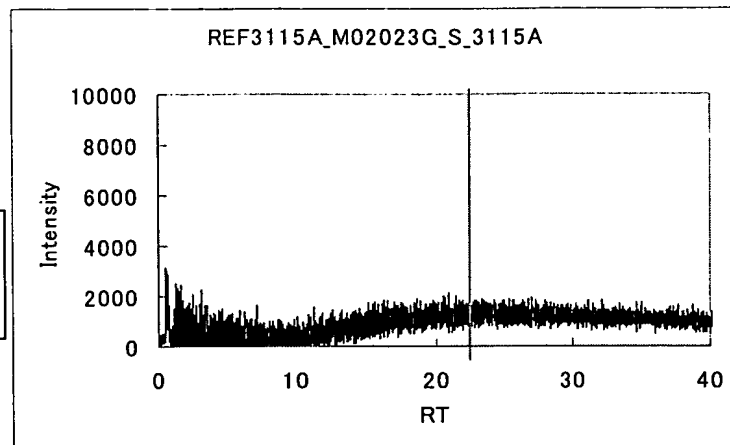


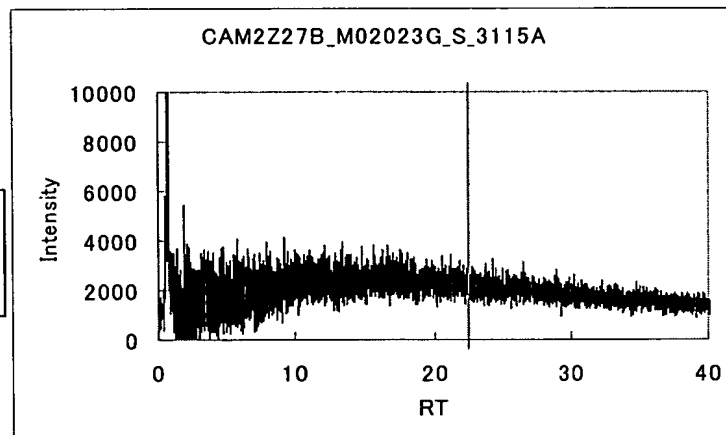
Fig. 5-2

Multi02-023G

FIRST
SOLUTION
(a)



FIRST
SOLUTION
(b)



FIRST
SOLUTION
(c)

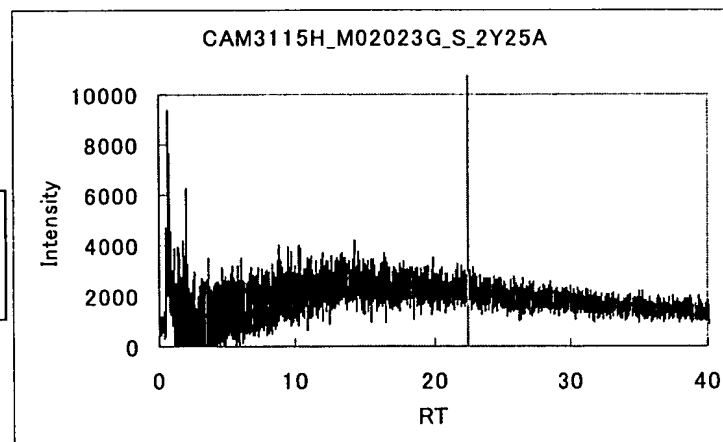
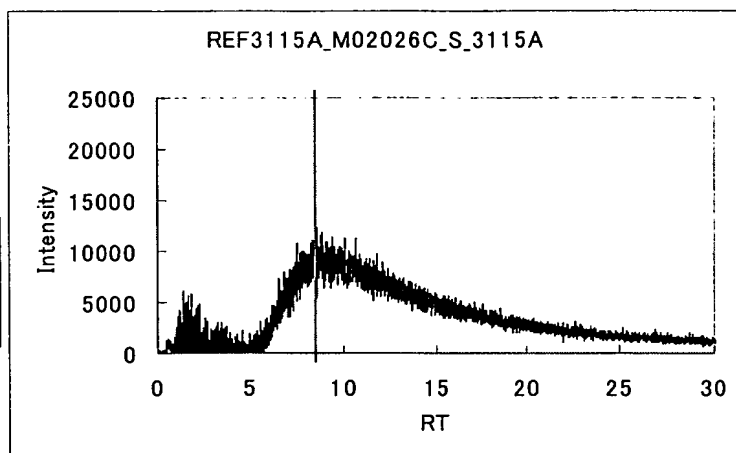


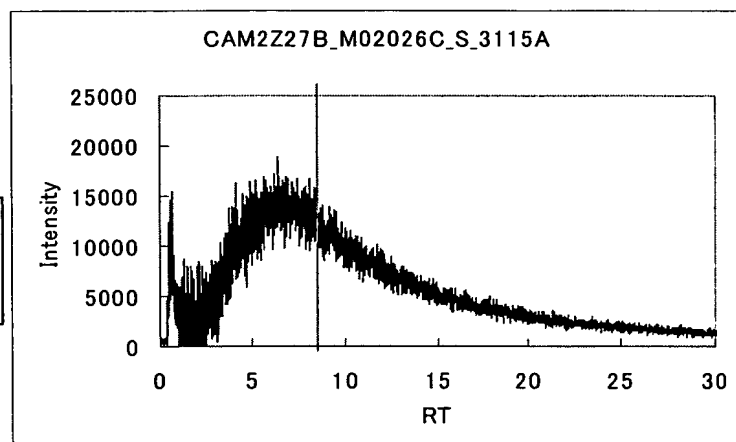
Fig. 5-3

Multi02-026C

FIRST
SOLUTION
(a)



FIRST
SOLUTION
(b)



FIRST
SOLUTION
(c)

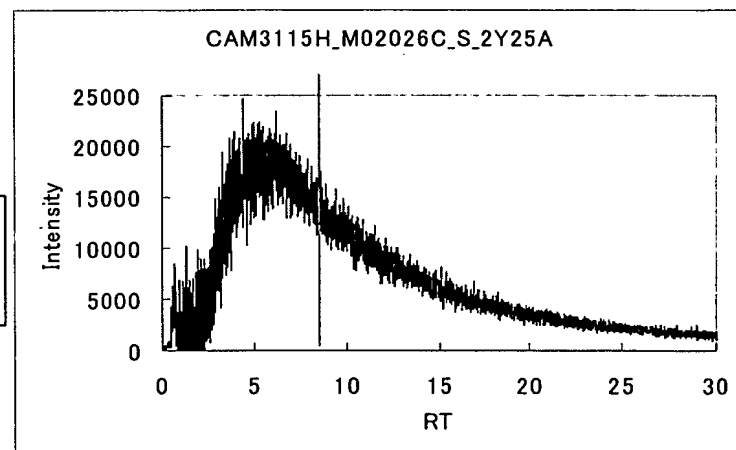
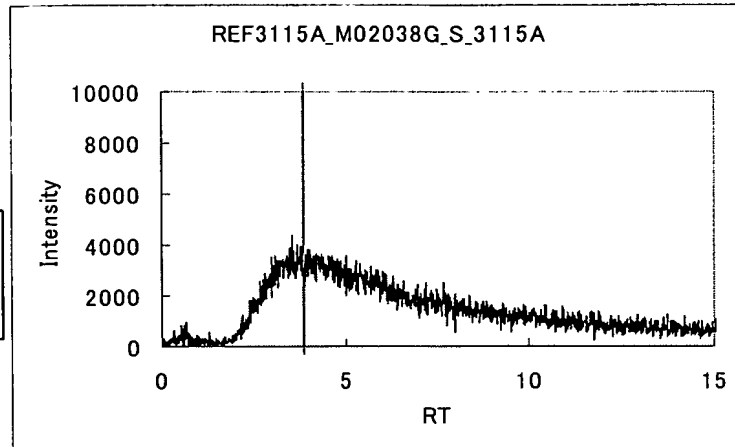


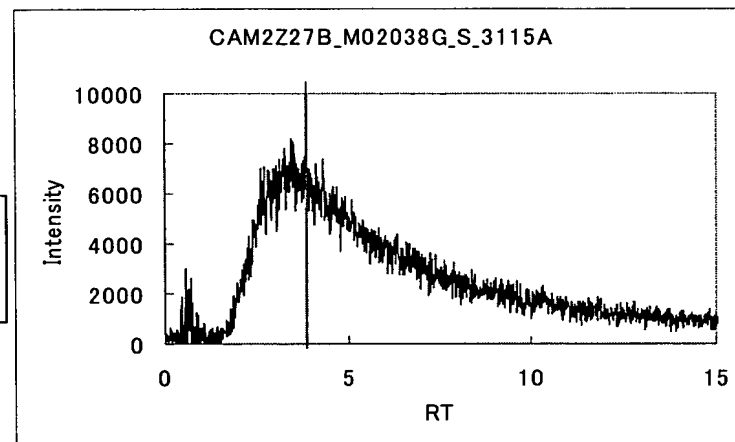
Fig. 5-4

Multi02-038G

FIRST
SOLUTION
(a)



FIRST
SOLUTION
(b)



FIRST
SOLUTION
(c)

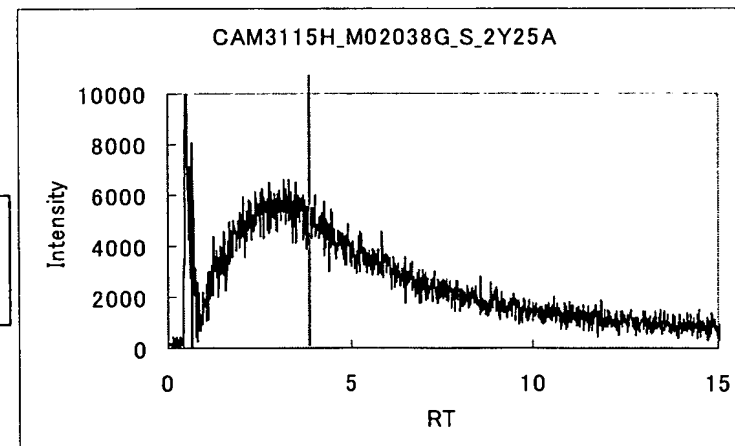


Fig. 6-1

SECOND SOLUTION (C) → FIRST SOLUTION (A)

L:\Xcalibur\...\SingleProteinREF_FK506

2003/08/18 21:33:00

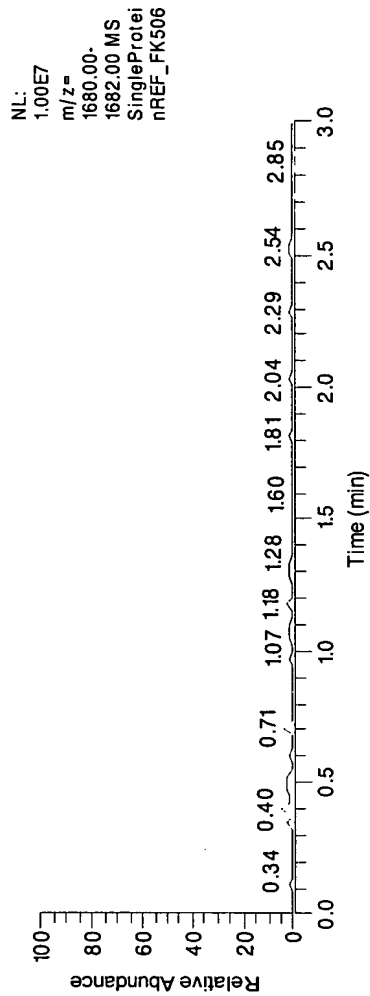
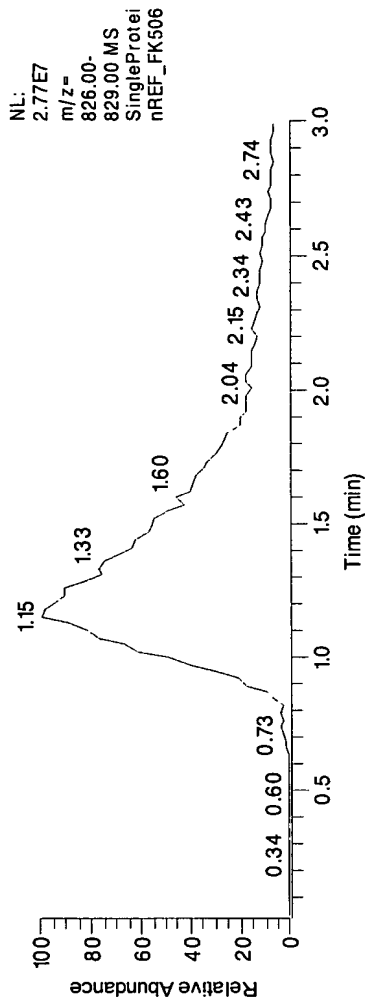
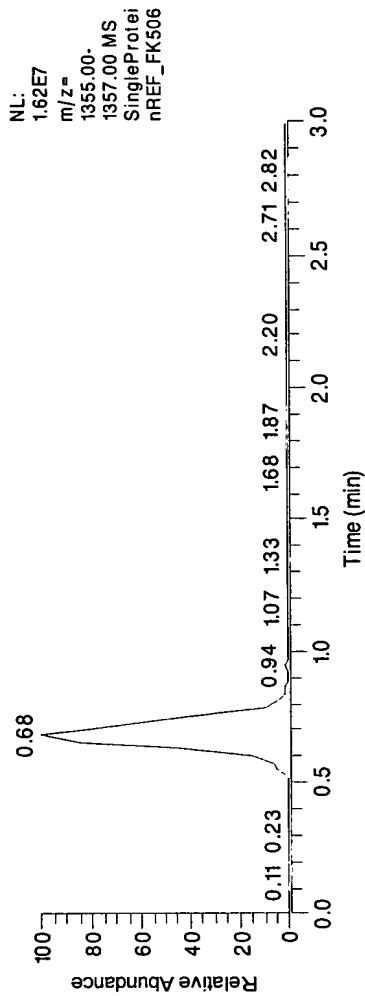
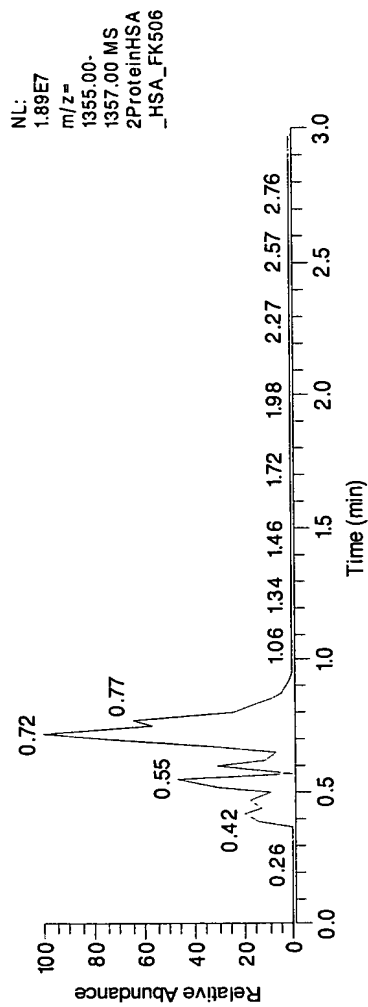


Fig. 6-2

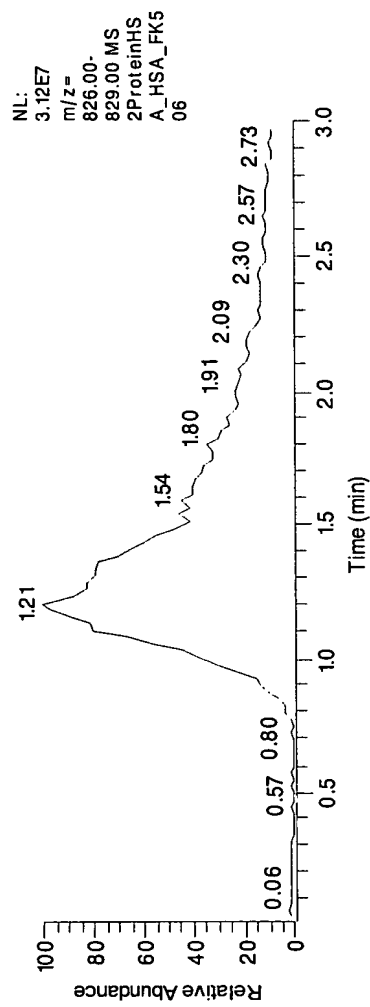
SECOND SOLUTION (C) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

L:\Xcalibur\...12ProteinHSA_HSA_FK506

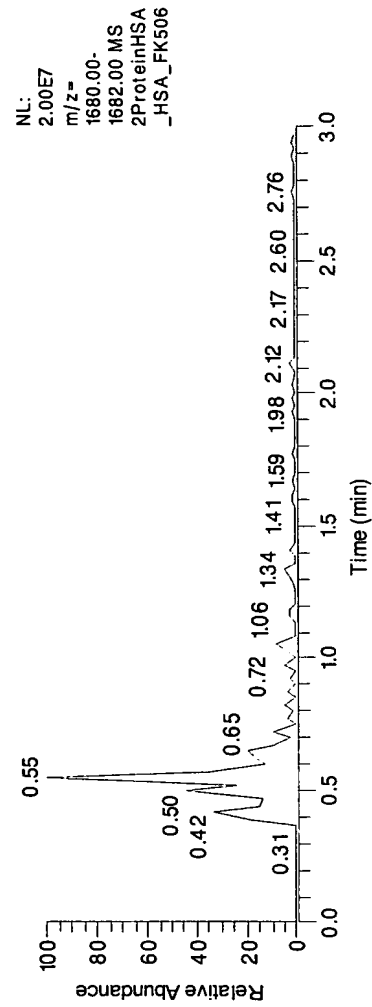
2003/08/18 22:43:26



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF FK506
 $m/z=826.0-829.0$

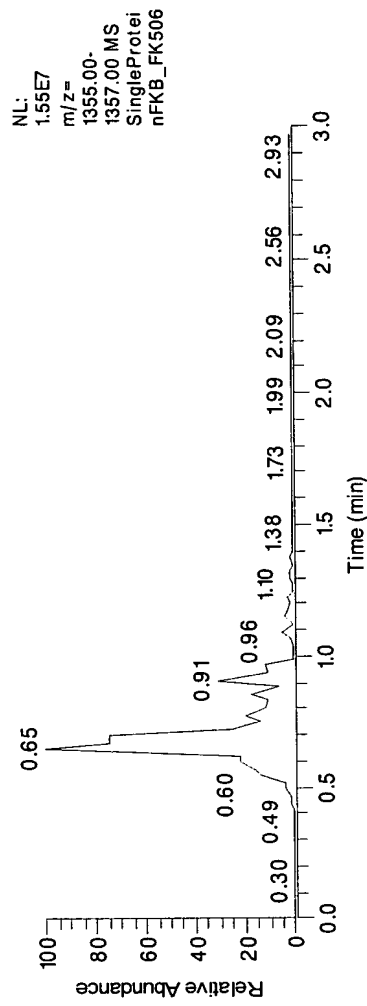


MASS CHROMATOGRAM
OF FKBP12
 $m/z=1680.0-1682.0$

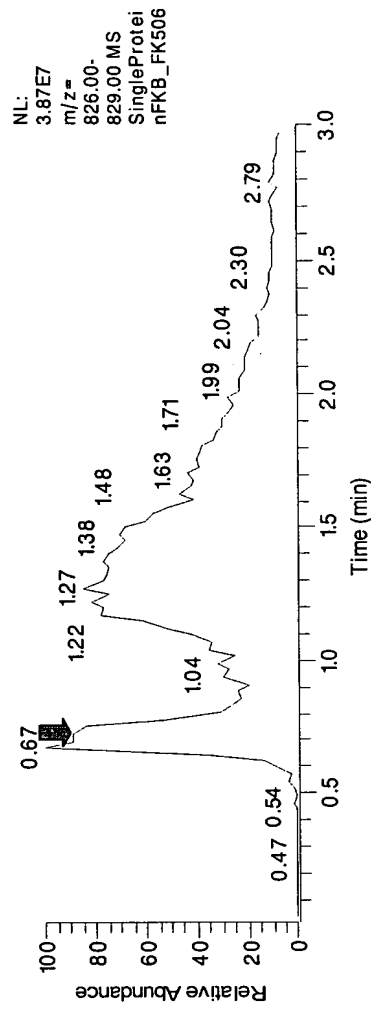
Fig. 6-3

SECOND SOLUTION (C) → FIRST SOLUTION (C)

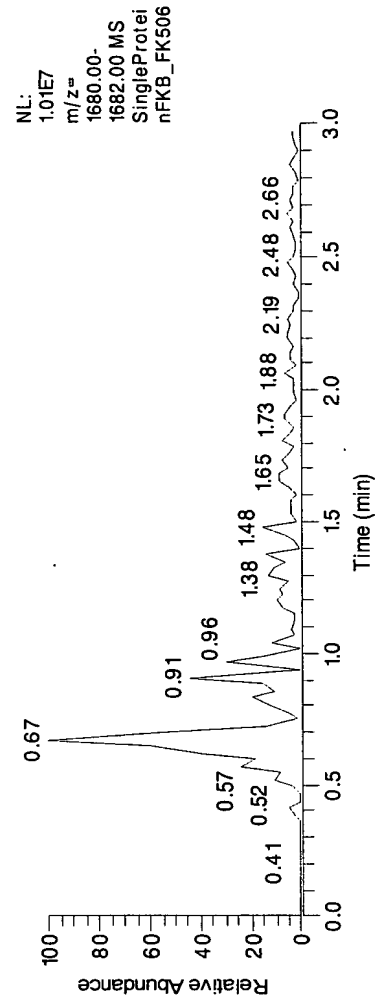
L:\Xcalibur\...\SingleProteinFKB_FK506 2003/08/18 2:14:28



MASS CHROMATOGRAM
 OF CYANOCOBALAMIN
 (NEGATIVE CONTROL)
 m/z=1355.0-1357.0



MASS CHROMATOGRAM
 OF FK506
 m/z=826.0-829.0



MASS CHROMATOGRAM
 OF FKBP12
 m/z=1680.0-1682.0

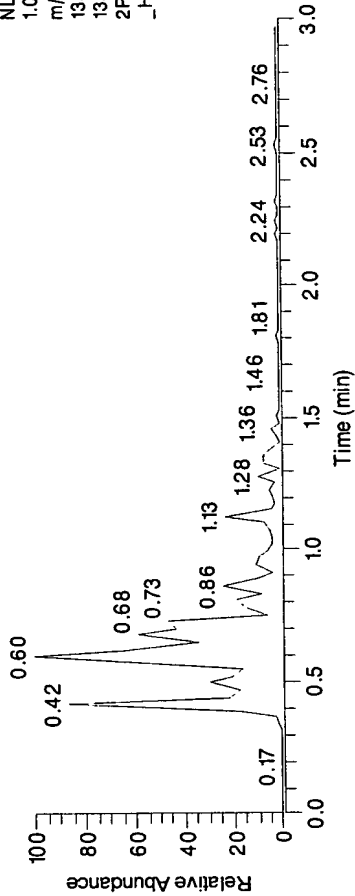
Fig. 6-4

SECOND SOLUTION (C) → FIRST SOLUTION (C) → FIRST SOLUTION (D)

L:\Xcalibur\...\2ProteinFKB_HSA_FK506

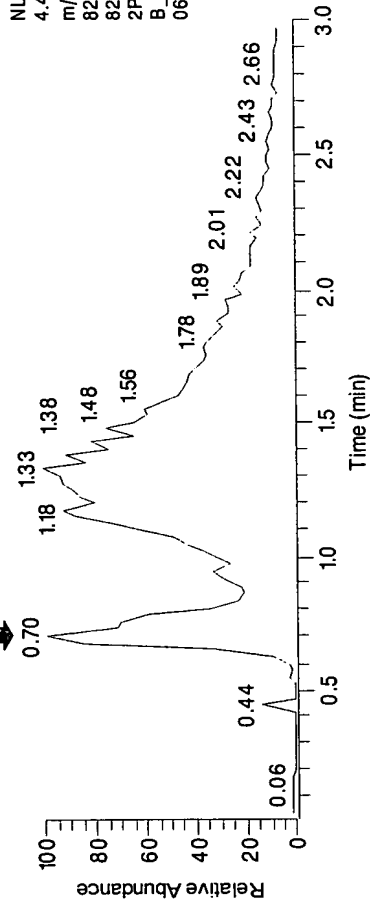
2003/08/18 22:31:24

NL:
1.02E7
m/z=
1355.00-
1357.00 MS
2ProteinFKB
_HSA_FK506



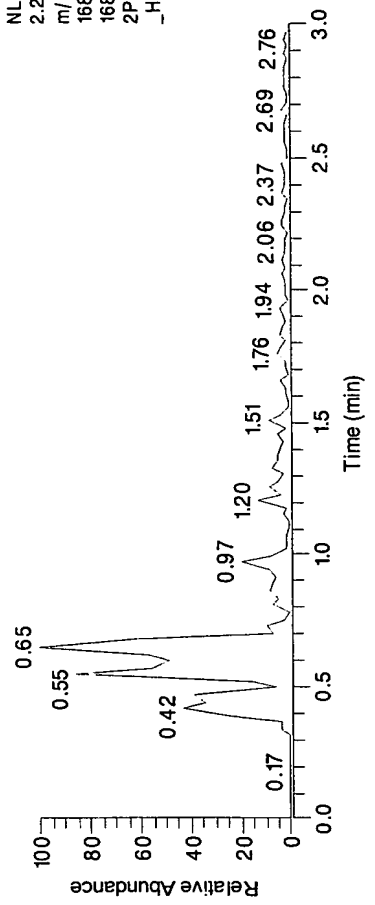
MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0

NL:
4.45E7
m/z=
826.00-
829.00 MS
2ProteinFK
B_HSA_FK5
06



MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0

NL:
2.28E7
m/z=
1680.00-
1682.00 MS
2ProteinFKB
_HSA_FK506



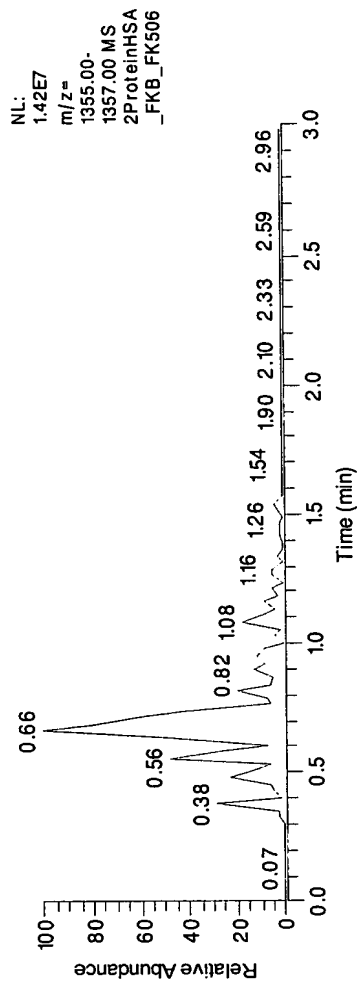
MASS CHROMATOGRAM
OF FKBP12
m/z=1680.0-1682.0

Fig. 6-5

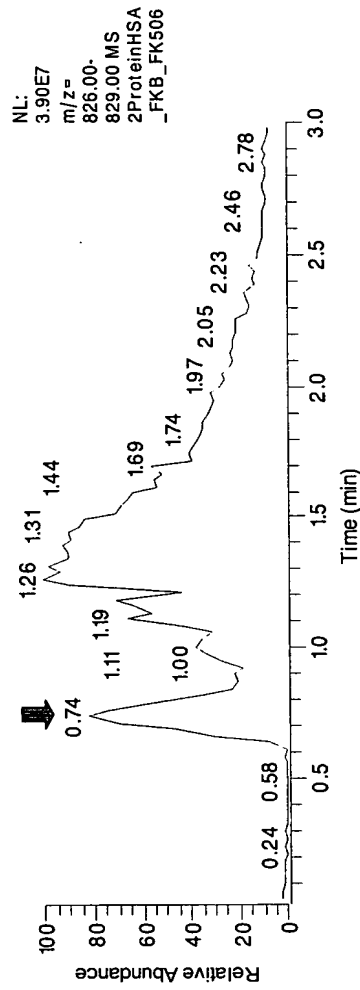
SECOND SOLUTION (C) → FIRST SOLUTION (D) → FIRST SOLUTION (C)

L:\Xcalibur\...12ProteinHSA_FKB_FK506

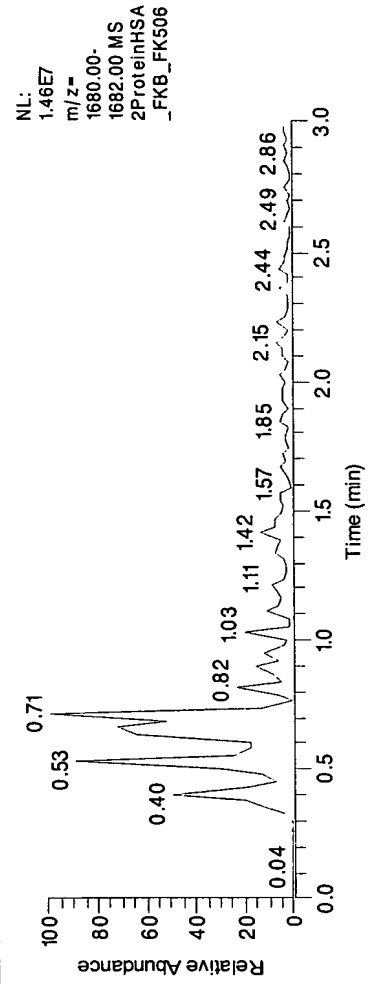
2003/08/18 22:19:22



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0



MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0

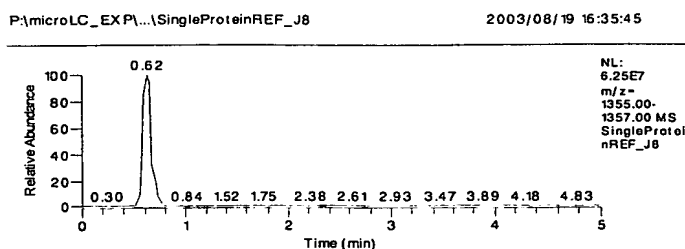


MASS CHROMATOGRAM
OF FKBP12
m/z=1680.0-1682.0

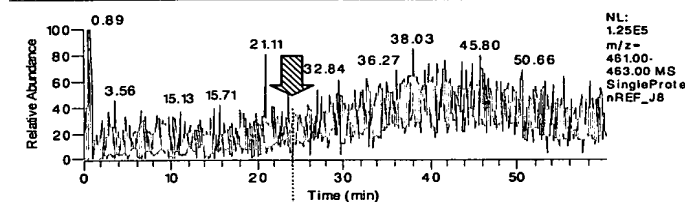
Fig. 7-1

SECOND SOLUTION (B) → FIRST SOLUTION (A)

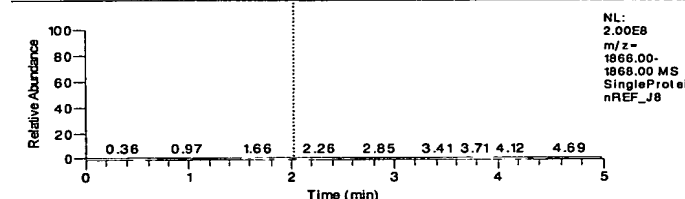
MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$

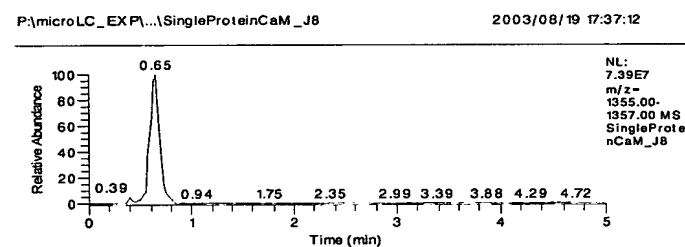


MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

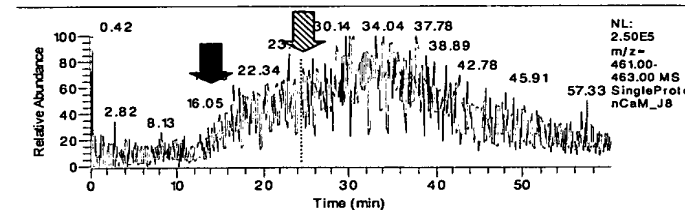


SECOND SOLUTION (B) → FIRST SOLUTION (B)

MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

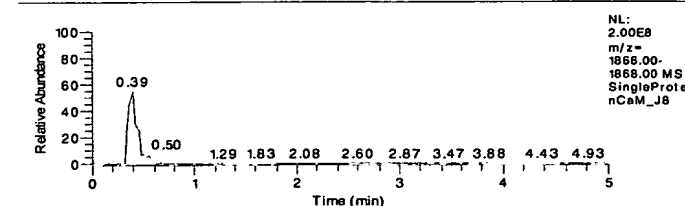
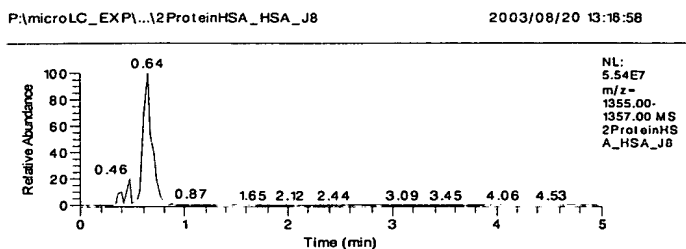


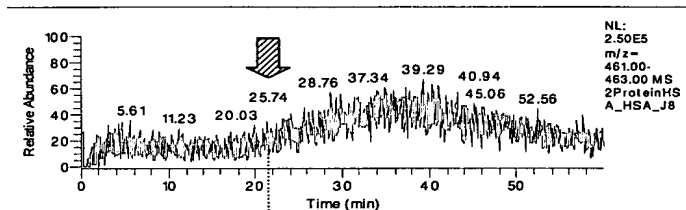
Fig. 7-2

SECOND SOLUTION (B) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

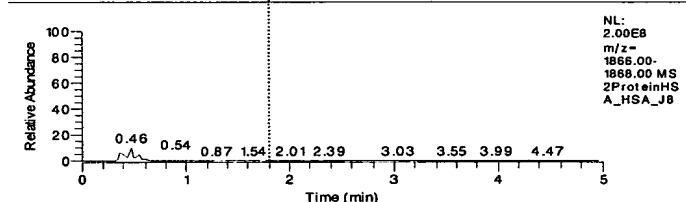
MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$

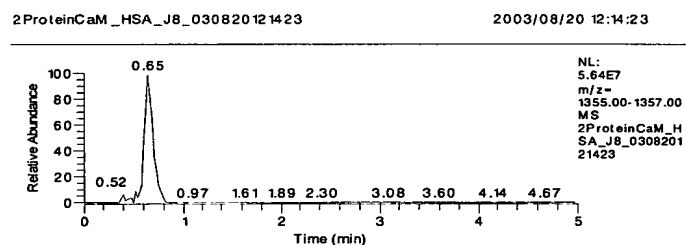


MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

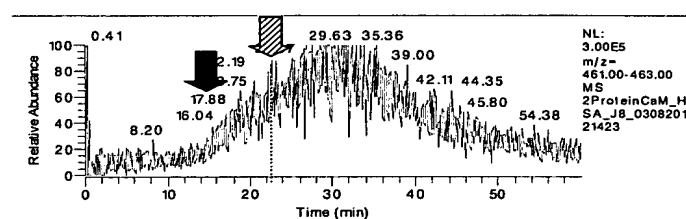


SECOND SOLUTION (B) → FIRST SOLUTION (B) → FIRST SOLUTION (D)

MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

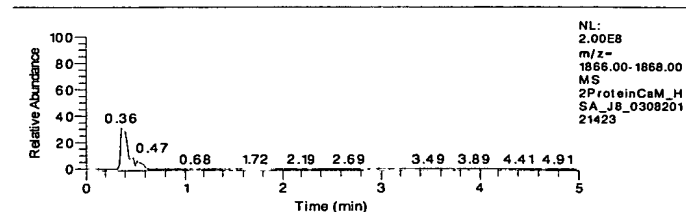
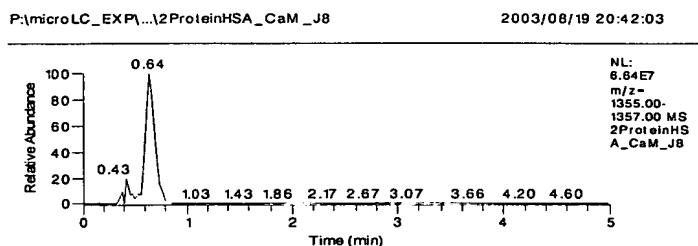


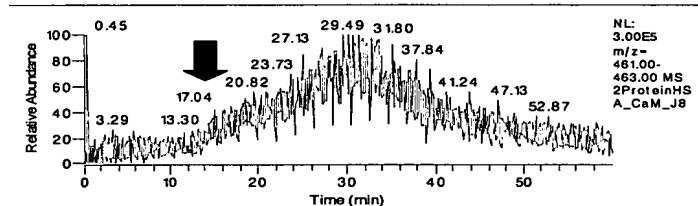
Fig. 7-3

SECOND SOLUTION (B) → FIRST SOLUTION (D) → FIRST SOLUTION (B)

MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF J-8
 $m/z=461.0-463.0$



MASS CHROMATOGRAM
OF CALMODULIN
 $m/z=1866.0-1868.0$

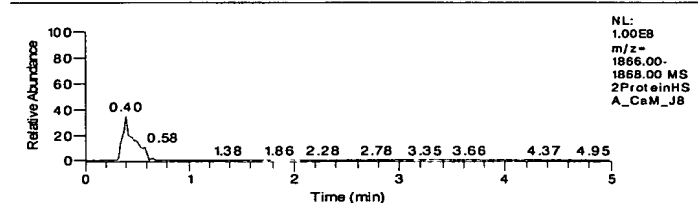
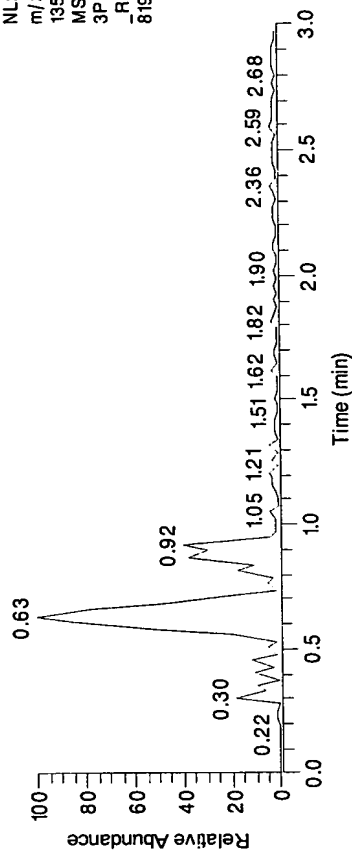


Fig. 8-1 SECOND SOLUTION (C) → FIRST SOLUTION (A) → FIRST SOLUTION (A)

3ProteinREF_REF_FK506_030819103931

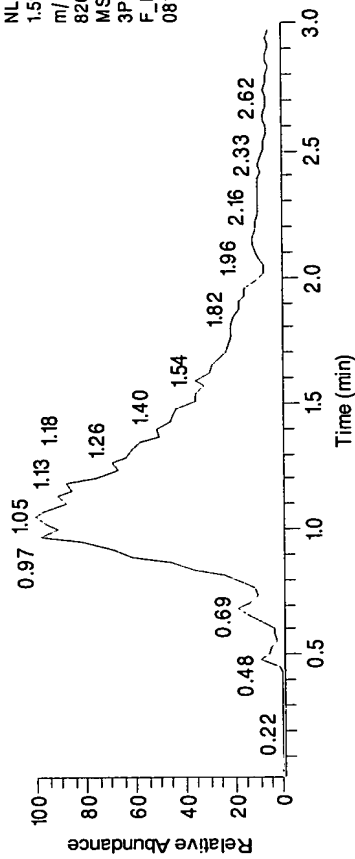
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NL: 2.02E6
m/z= 1355.00-1357.00
MS
3ProteinREF_REF_FK506_030819103931



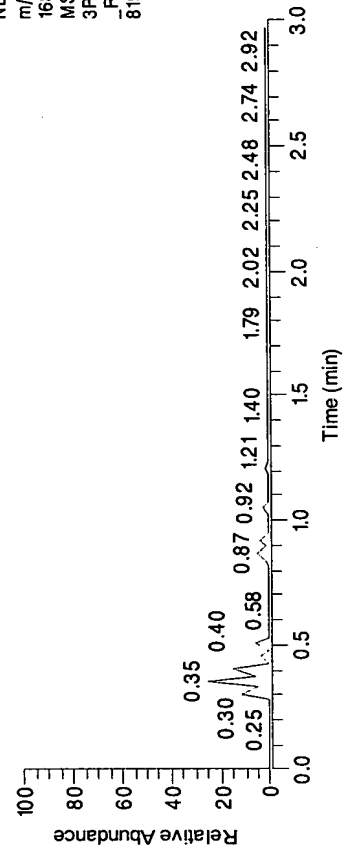
MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0

NL: 1.59E7
m/z= 826.00-829.00
MS
3ProteinREF_REF_FK506_030819103931



MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0

NL: 1.00E7
m/z= 1680.00-1682.00
MS
3ProteinREF_REF_FK506_030819103931

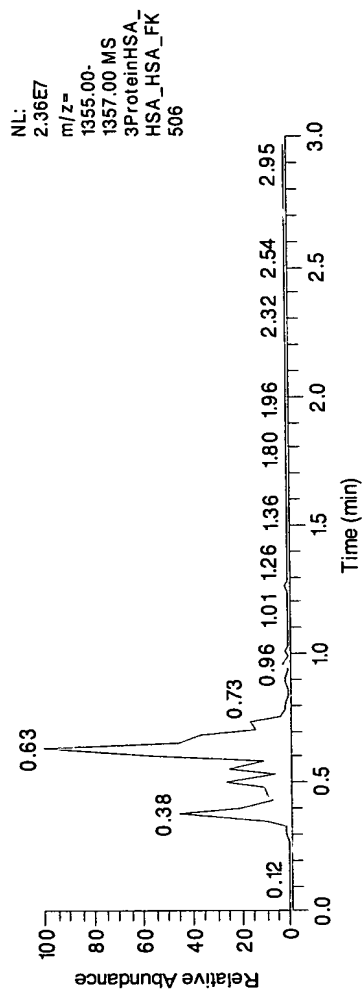


MASS CHROMATOGRAM
OF FKBP12
m/z=1680.0-1682.0

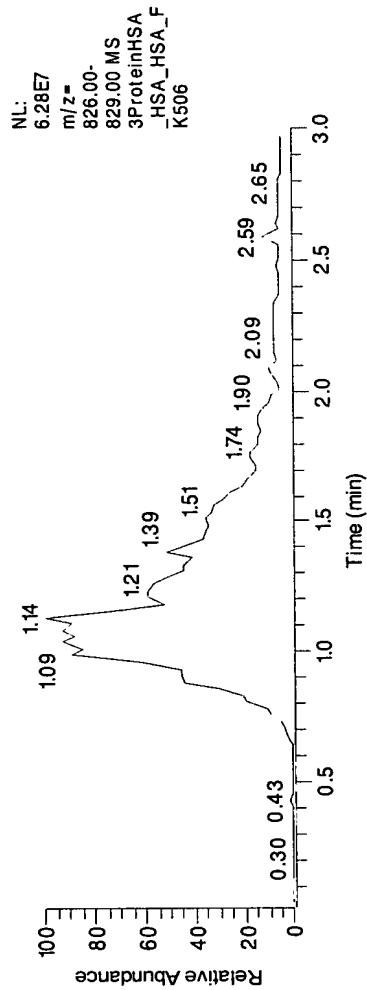
Fig. 8-2 SECOND SOLUTION (C) → FIRST SOLUTION (D) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

3ProteinHSA_HSA_FK506

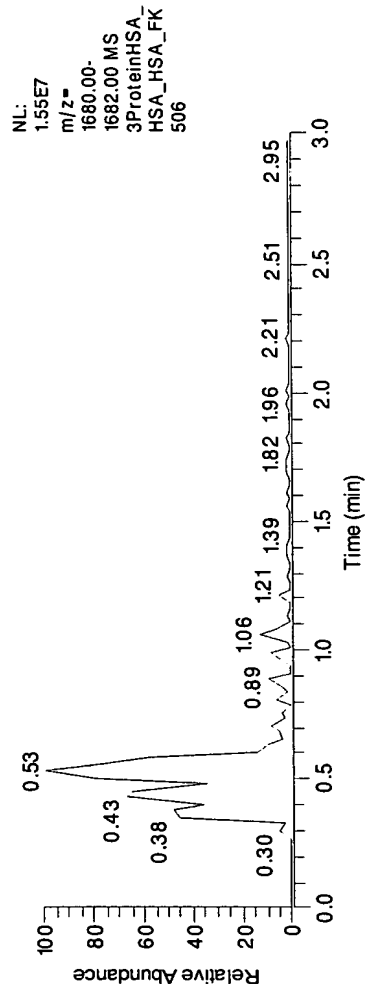
2003/08/19 11:31:38



MASS CHROMATOGRAM
 OF CYANOCOBALAMIN
 (NEGATIVE CONTROL)
 m/z=1355.0-1357.0



MASS CHROMATOGRAM
 OF FK506
 m/z=826.0-829.0



MASS CHROMATOGRAM
 OF FKBP12
 m/z=1680.0-1682.0

Fig. 8-3 SECOND SOLUTION (C) → FIRST SOLUTION (C) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

3ProteinFKB_HSA_HSA_FK506_03081911857

2003/08/19 11:18:57

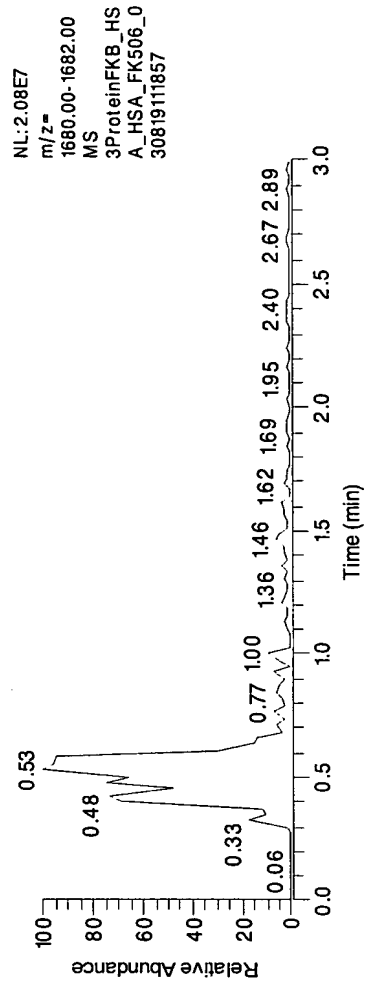
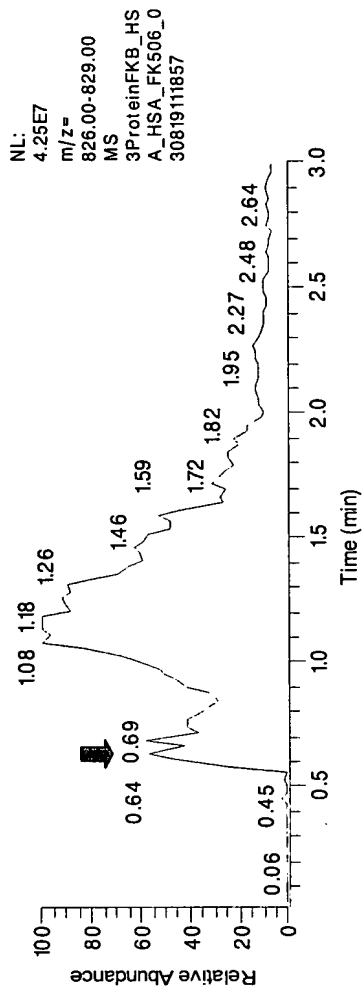
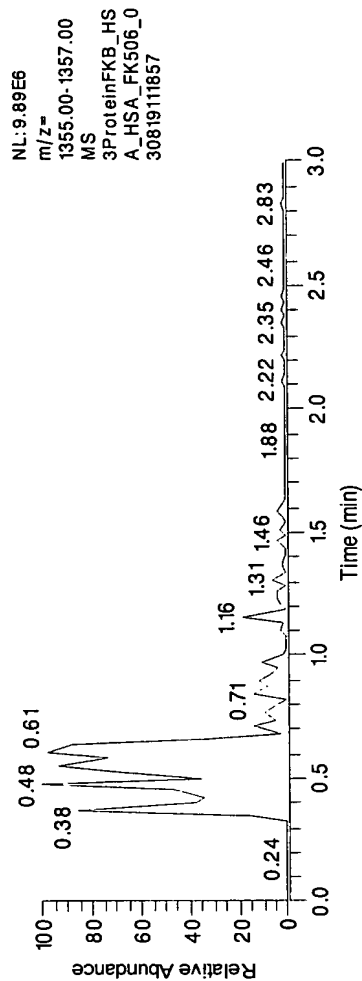
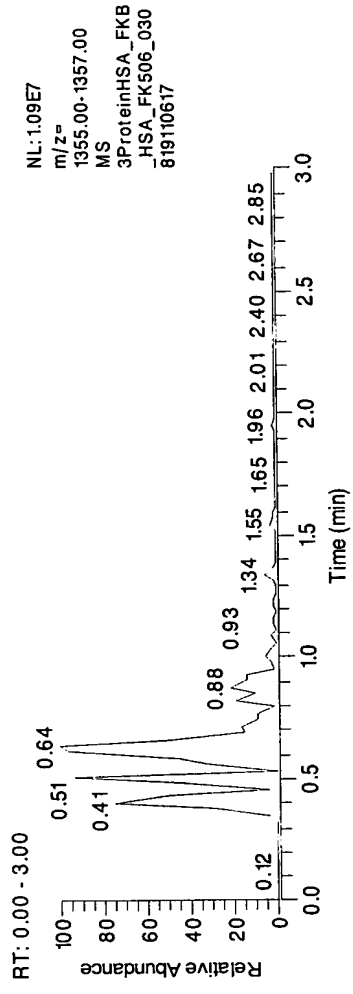
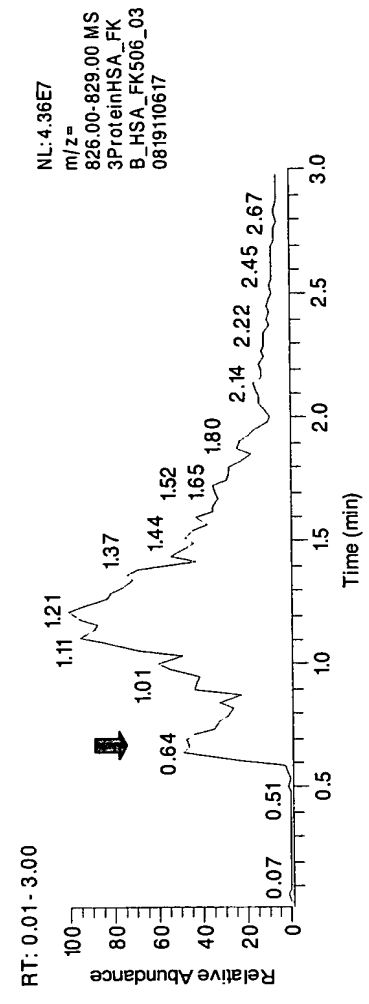


Fig. 8-4 SECOND SOLUTION (C) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

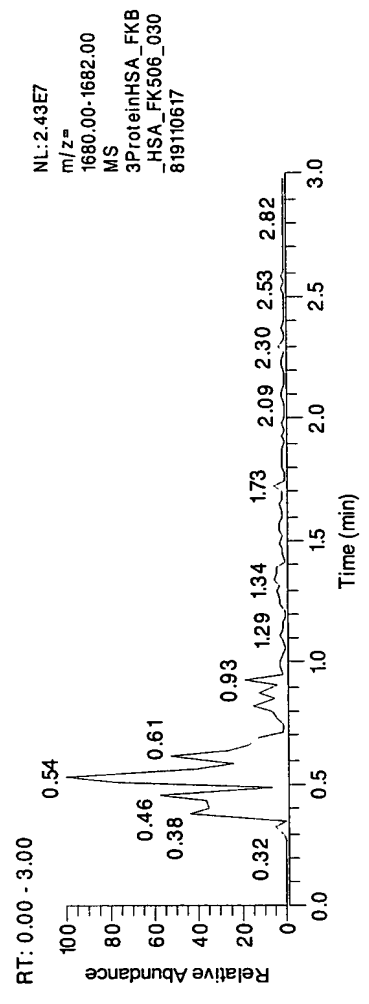
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MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0



MASS CHROMATOGRAM
OF FK506
m/z=826.0-829.0

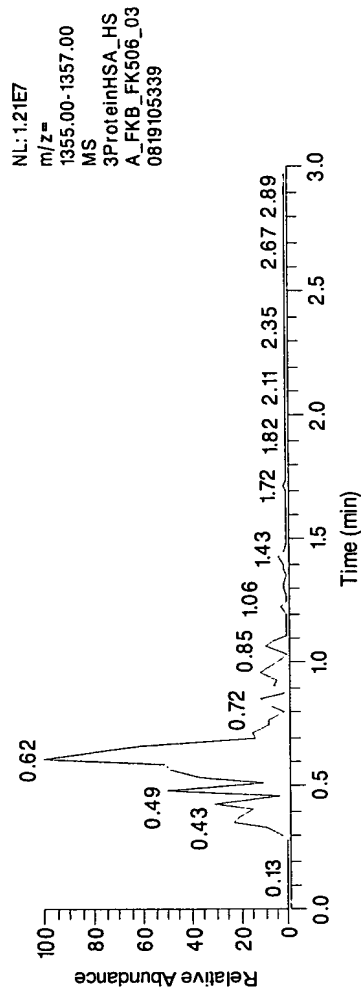


MASS CHROMATOGRAM
OF FKBP12
m/z=1680.0-1682.0

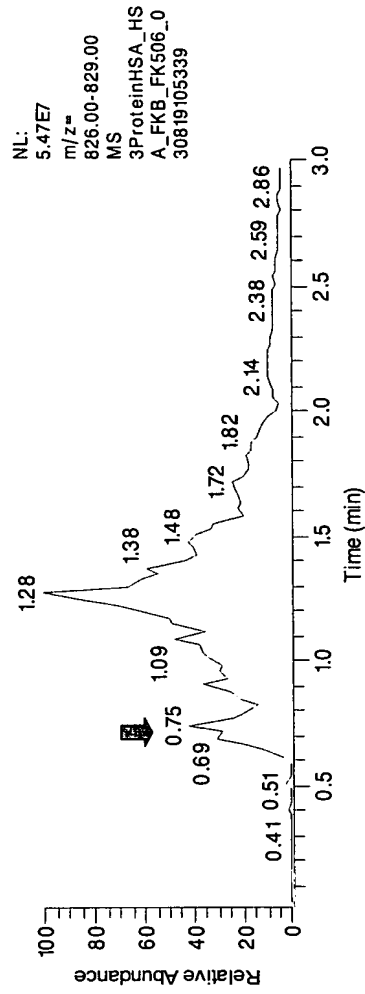
Fig. 8-5 SECOND SOLUTION (C) → FIRST SOLUTION (D) → FIRST SOLUTION (D) → FIRST SOLUTION (C)

3ProteinHSA_HSA_FKB_FK506_030819105339

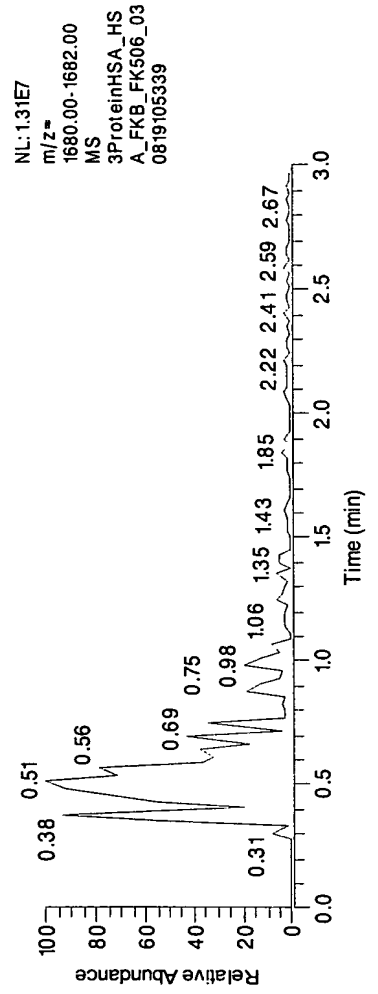
2003/08/19 10:53:39



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$



MASS CHROMATOGRAM
OF FK506
 $m/z=826.0-829.0$

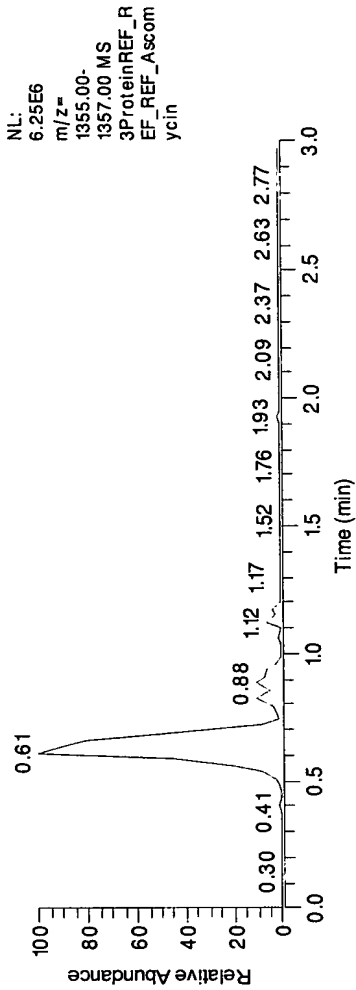


MASS CHROMATOGRAM
OF FKBP12
 $m/z=1680.0-1682.0$

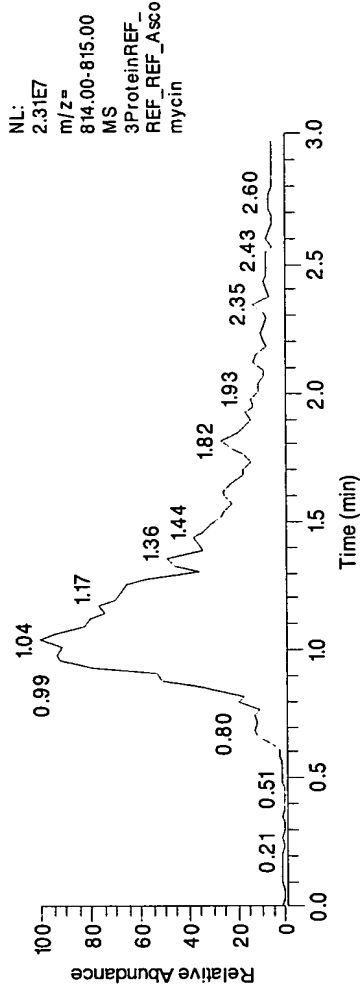
Fig. 9-1 SECOND SOLUTION (D) → FIRST SOLUTION (A) → FIRST SOLUTION (A)

2003/08/19 13:06:46

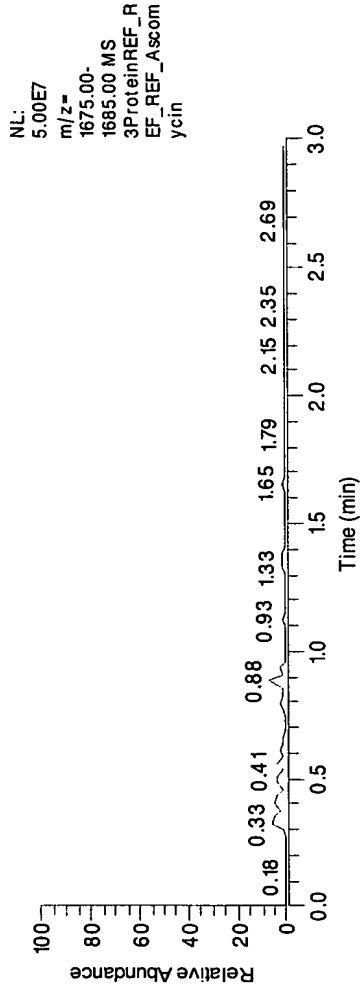
3ProteinREF_REF_Ascomycin



MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
m/z=1355.0-1357.0



MASS CHROMATOGRAM
OF ASCOMYCIN
m/z=814.0-815.0



MASS CHROMATOGRAM
OF FKBP12
m/z=1675.0-1685.0

Fig. 9-2 SECOND SOLUTION (D) → FIRST SOLUTION (D) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

3ProteinHSA_HSA_Asc myocin

2003/08/19 13:57:24

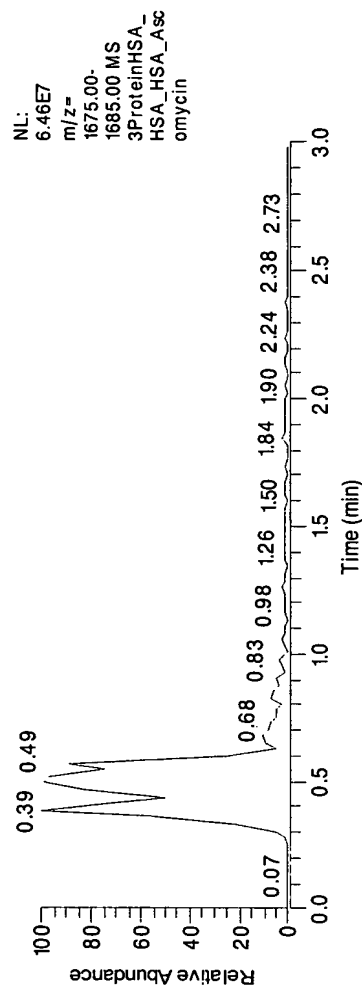
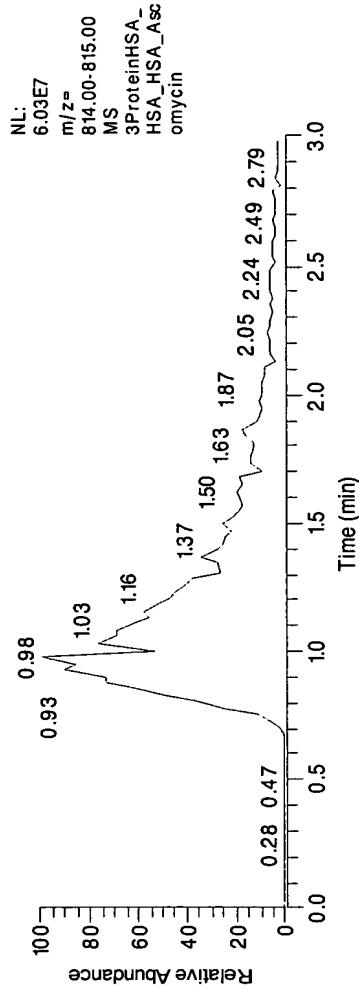
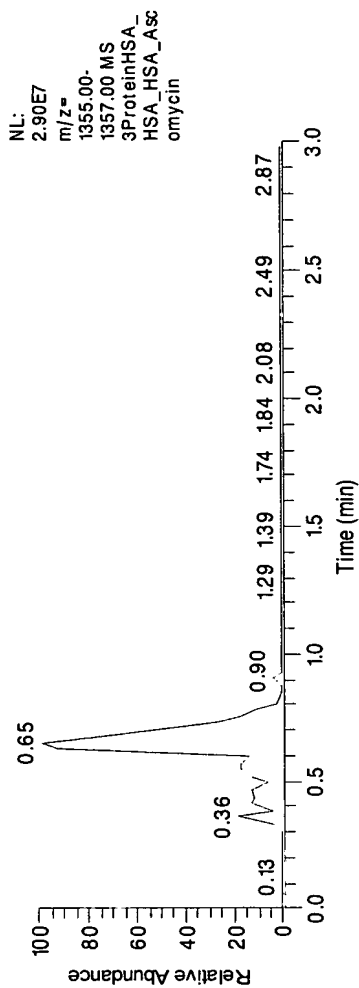


Fig. 9-3 SECOND SOLUTION (D) → FIRST SOLUTION (C) → FIRST SOLUTION (D) → FIRST SOLUTION (D)

3ProteinFKB_HSA_HSA_Ascormycin

2003/08/19 13:44:44

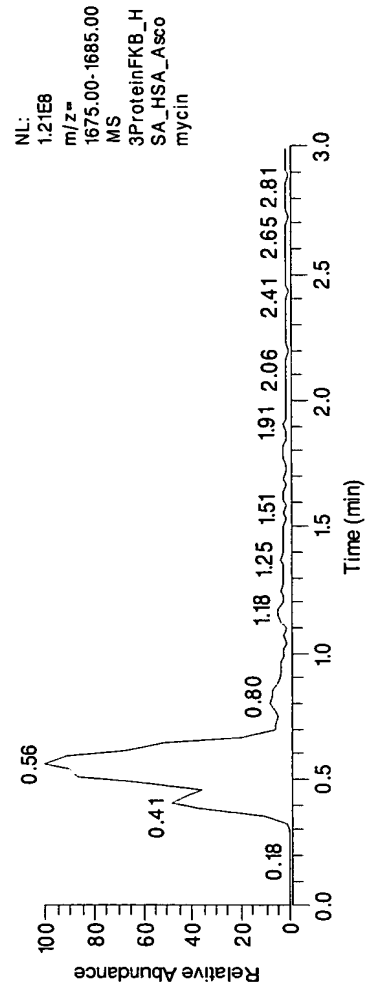
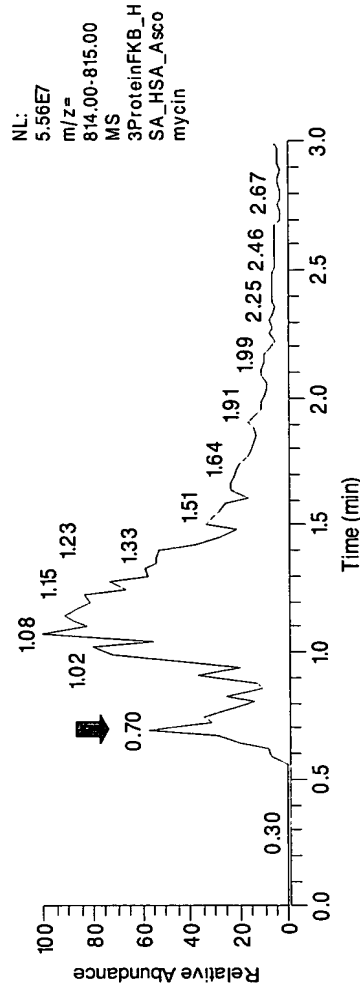
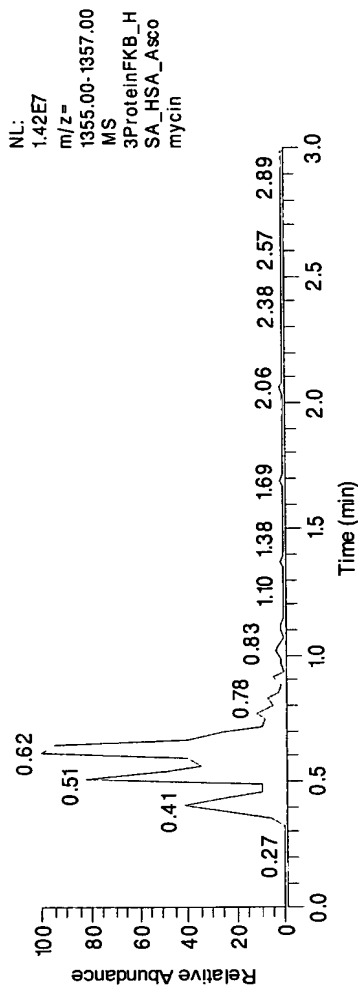


Fig. 9-4 SECOND SOLUTION (D) → FIRST SOLUTION (D) → FIRST SOLUTION (C) → FIRST SOLUTION (D)

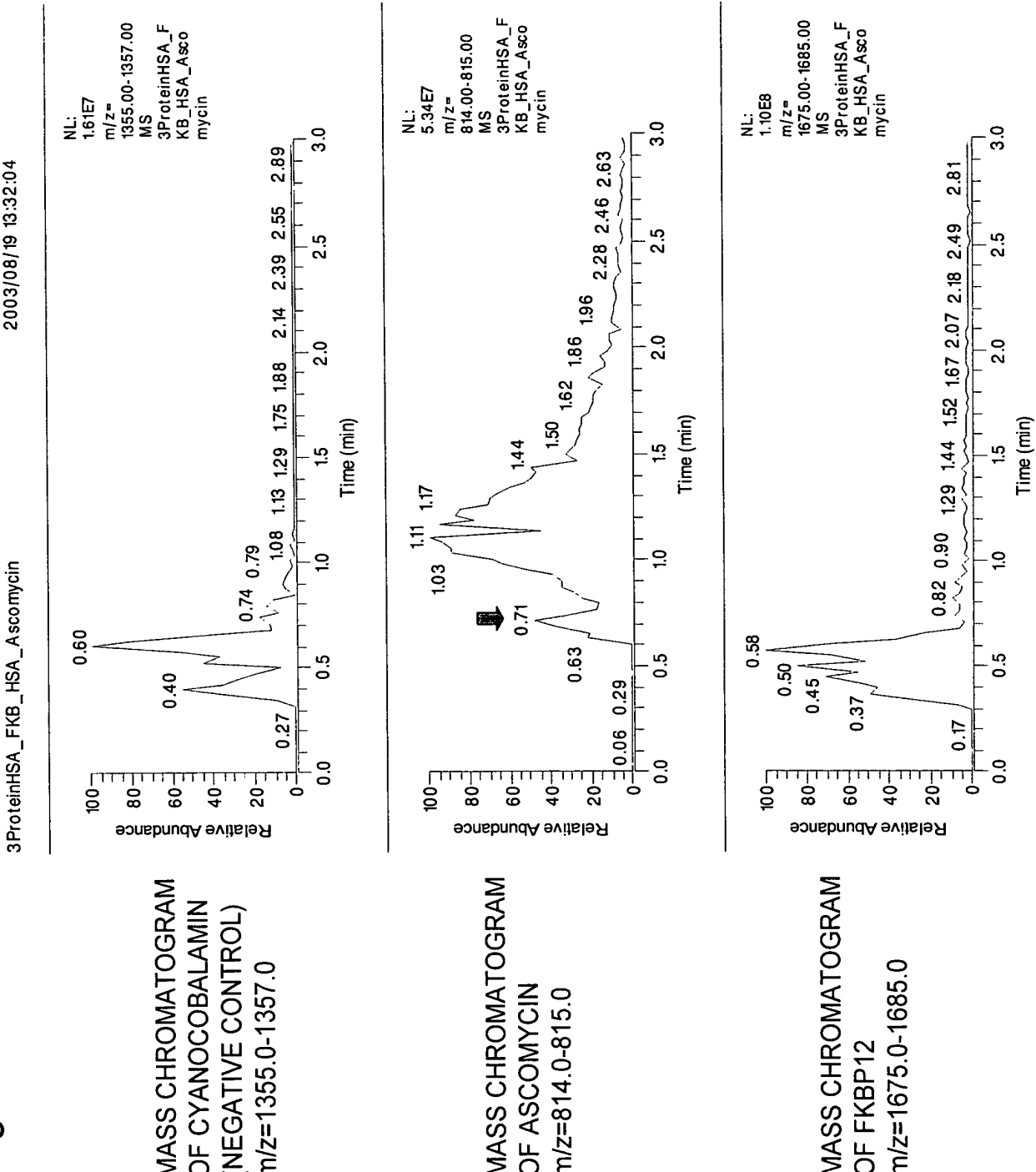
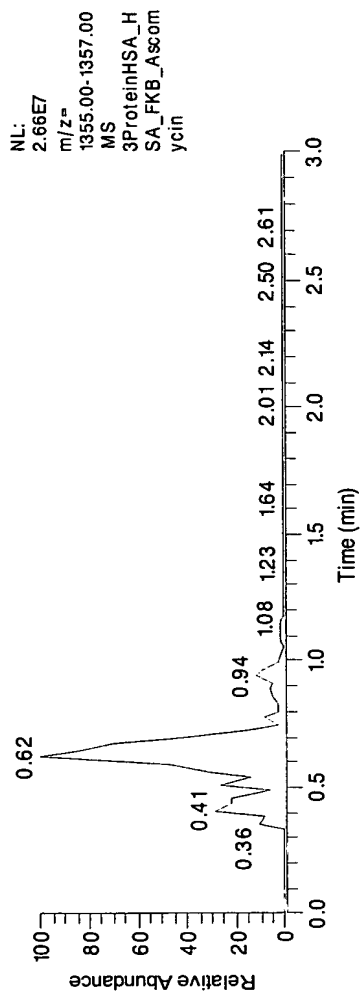


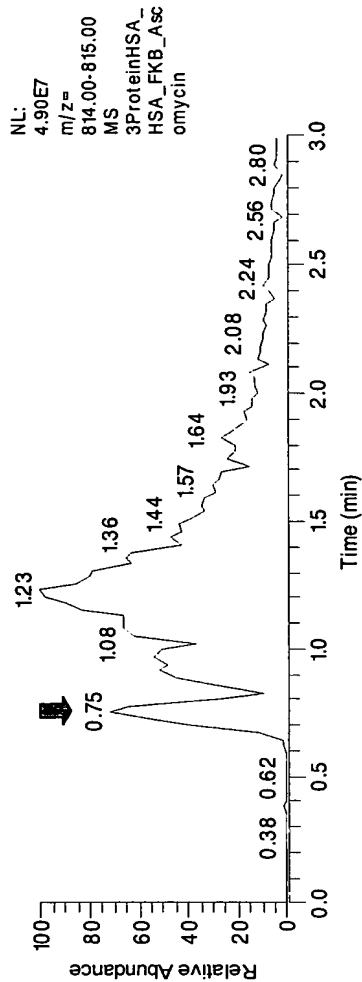
Fig. 9-5 SECOND SOLUTION (D) → FIRST SOLUTION (D) → FIRST SOLUTION (D) → FIRST SOLUTION (C)

3ProteinHSA_HSA_FKB_Ascomycin

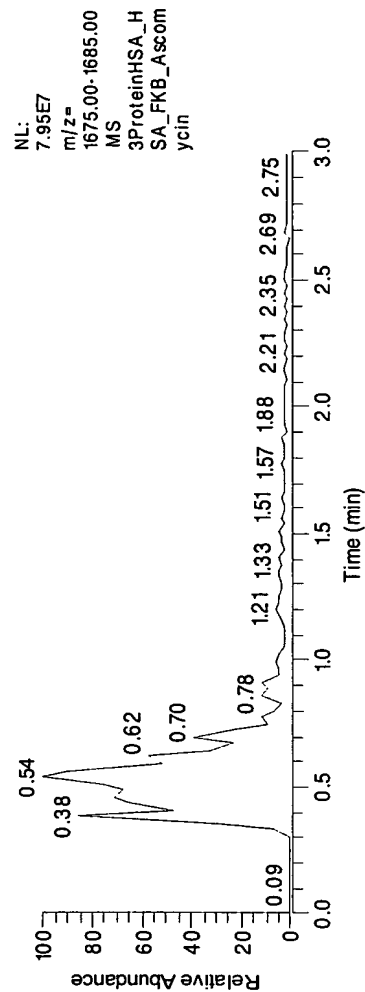
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MASS CHROMATOGRAM
OF CYANOCOBALAMIN
(NEGATIVE CONTROL)
 $m/z=1355.0-1357.0$

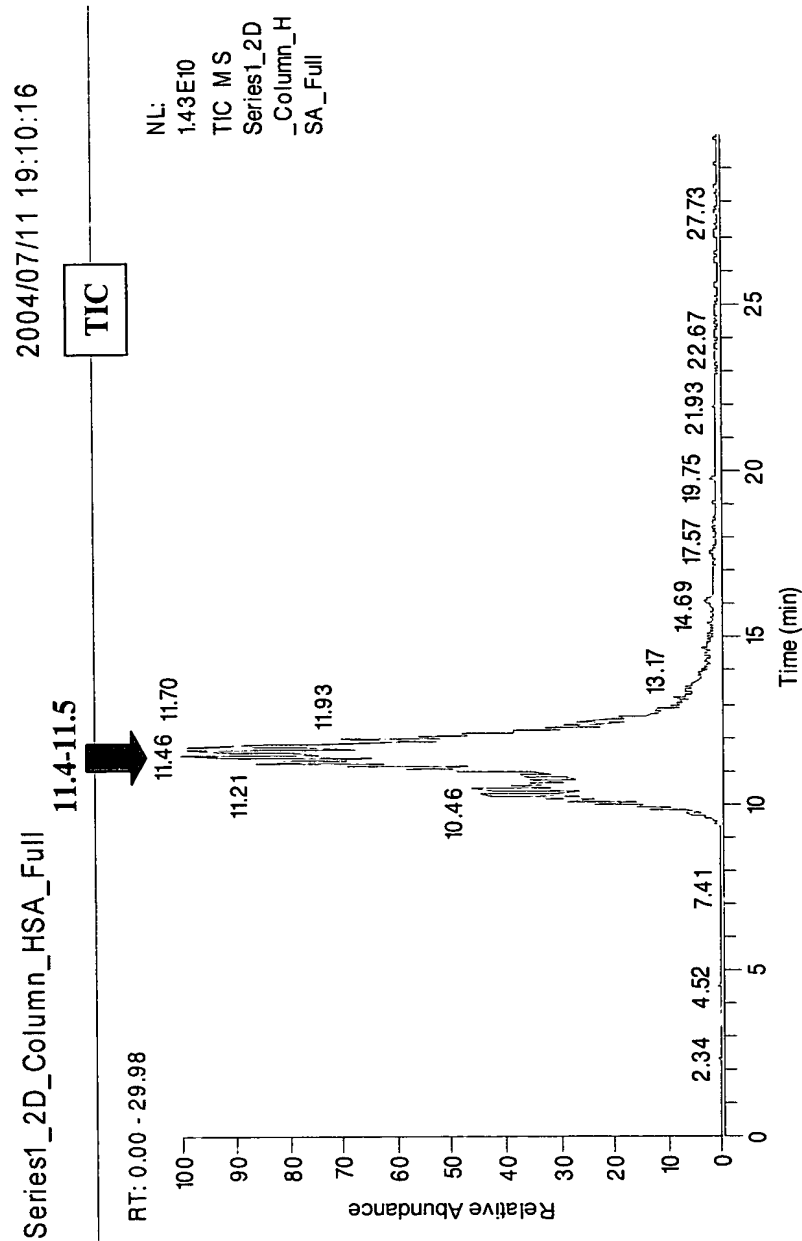


MASS CHROMATOGRAM
OF ASCOMYCIN
 $m/z=814.0-815.0$



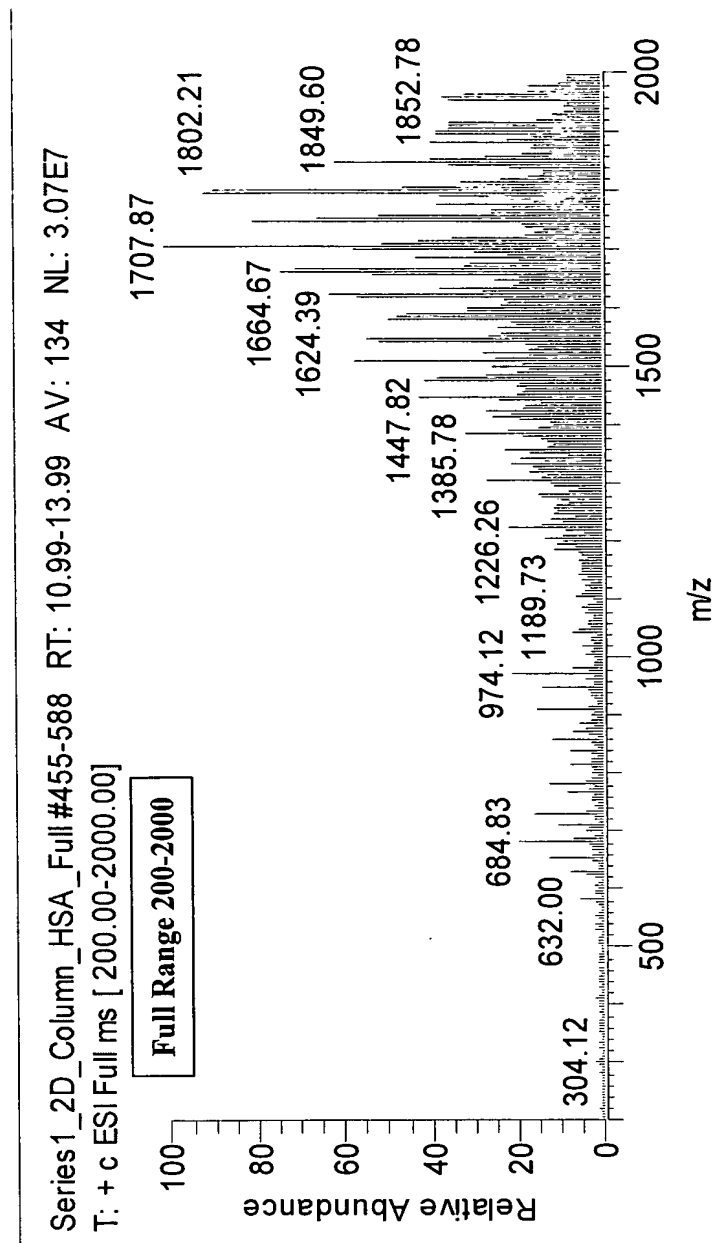
MASS CHROMATOGRAM
OF FKBP12
 $m/z=1675.0-1685.0$

Fig. 10-1



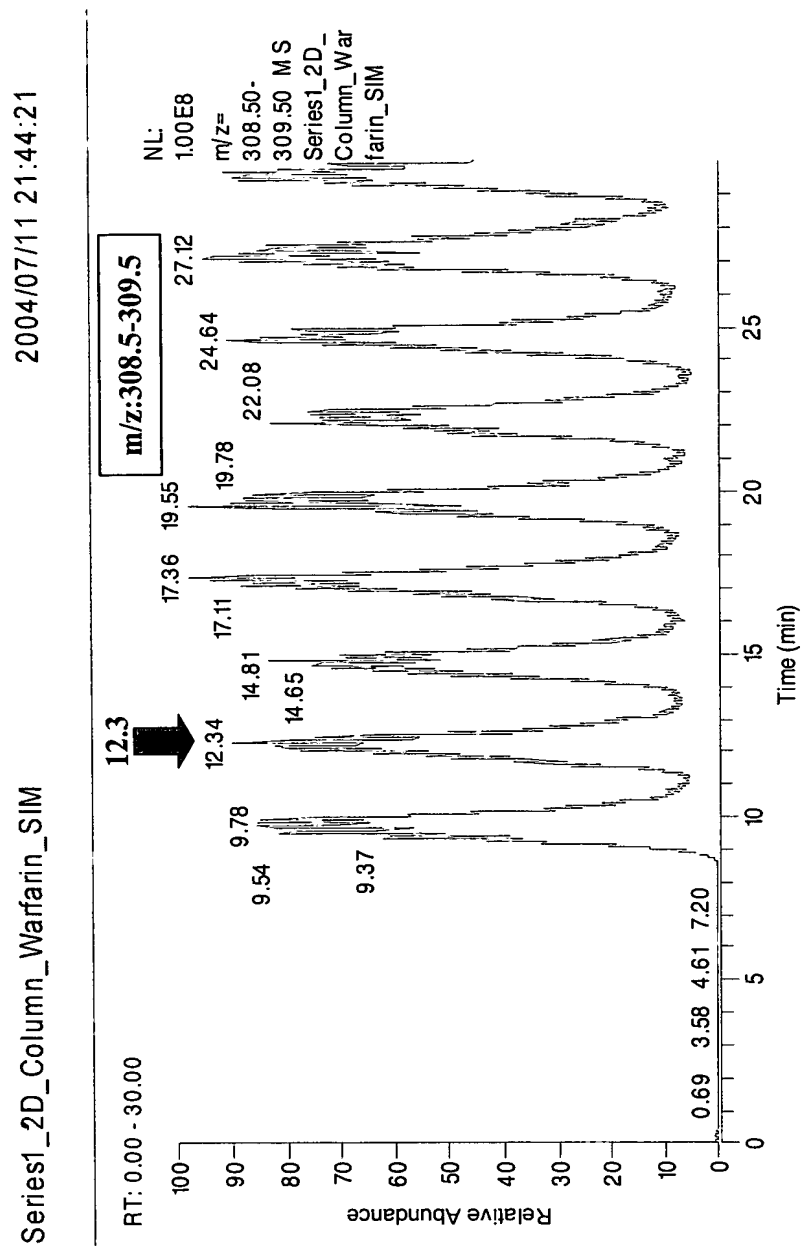
(a)
FIRST
SUBSTANCE
HSA
SECOND
SUBSTANCE
(REFERENCE)
ONLY DMSO
(PULSE)

Fig. 10-2



(a)
FIRST
SUBSTANCE
HSA
SECOND
SUBSTANCE
(REFERENCE)
ONLY DMSO
(PULSE)

Fig. 10-3



(b)
FIRST
SUBSTANCE
REFERENCE
SECOND
SUBSTANCE
WARFARIN
(PULSE)

Fig. 10-4

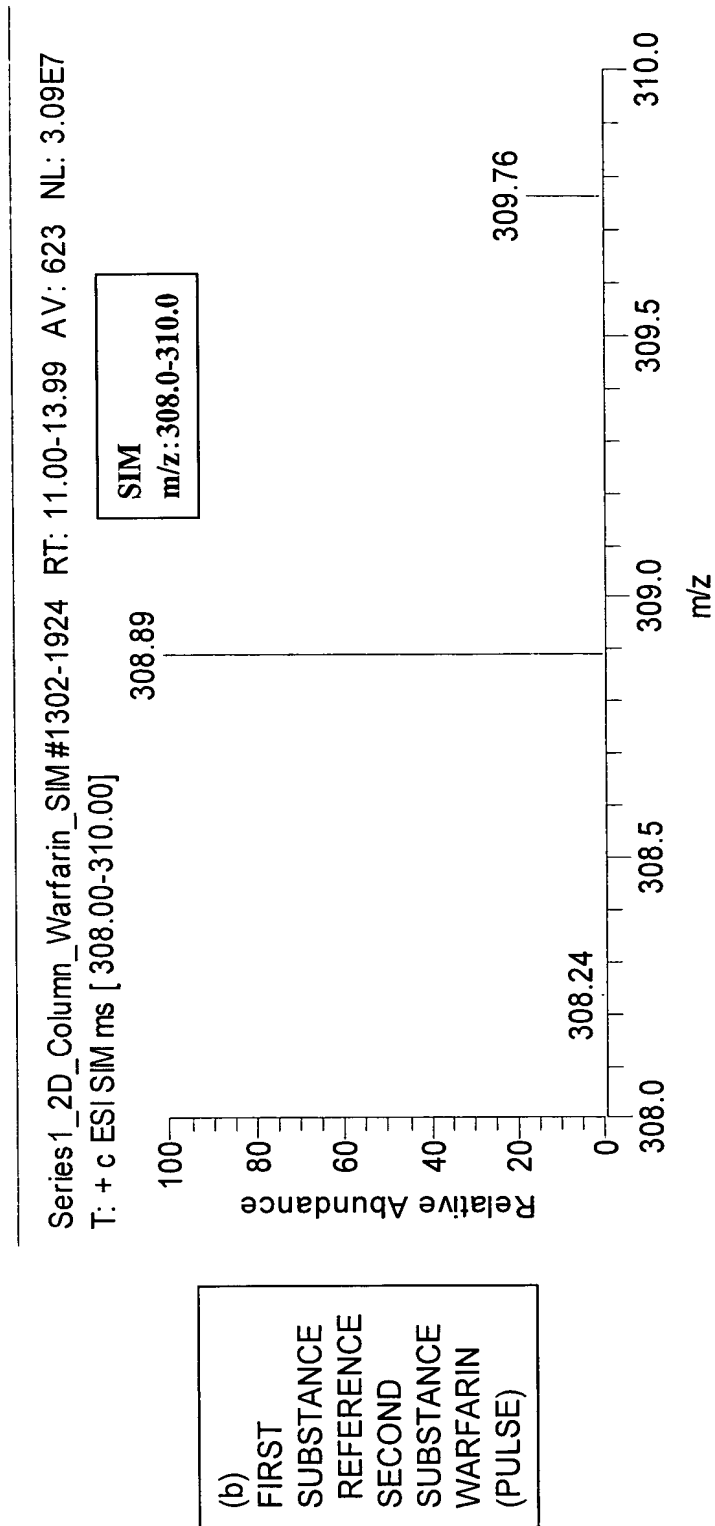


Fig. 10-5

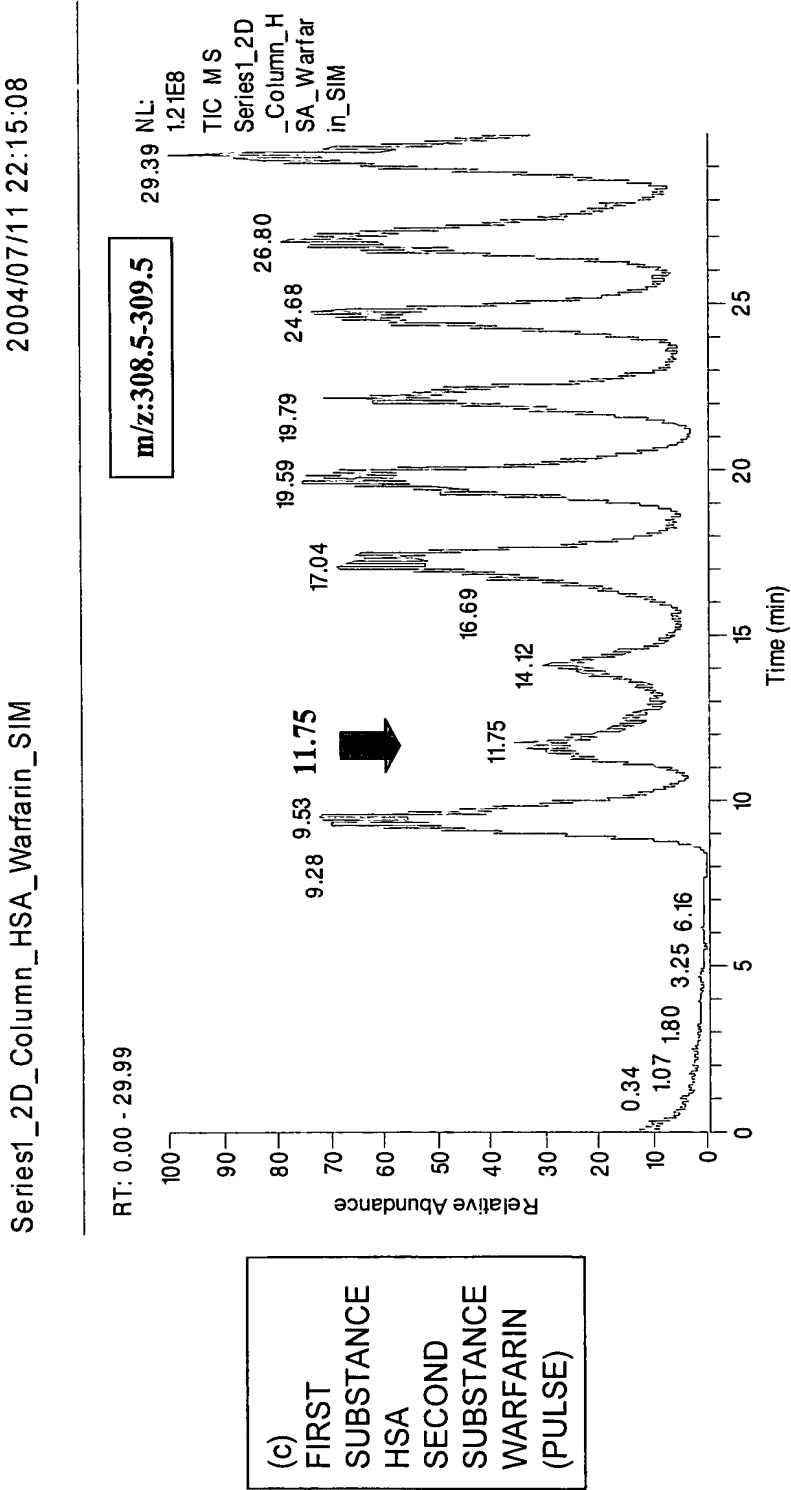


Fig. 10-6

